

Sanyo Service Tip

USIK / YX6E CHASSIS

07/27/12

SYMPTOM: If the power LED on front of the TV is turning ON for 10-20 seconds, OFF for 1-2 second and keeps repeating, the problem is most likely IC5750A. Affected models are the 2009 & 2010 TVs (LCD and Plasma) listed.

IC5750A is located under the large shield. IC 5750A is a 48 pin NAND FLASH IC with easy access for replacement. This will fix +80% of the boards with the symptom below.

Sanyo Part Number: QXXAVD058- -M

You must use the 3 dashes when ordering this IC.

Chassis Version	IC 5700 Samsung	IC 5700 Quimonda
P37819-00	SW84	SW82
P42849-00	SW84	SW82
P42849-01	SW84	SW82
P42849-02	SW84	SW82
P42849-04	SW84	SW82
P42849-05	SW84	SW82
P46849-00	SW84	SW82
P46849-01	SW84	SW82
P46849-02	SW84	SW82
P46849-03	SW84	SW82
P46819-00	SW84	SW82
P50749-00	SW84	SW82
P50749-01	SW84	SW82
P50749-02	SW84	SW82
P50749-03	SW84	SW82
P50719-00	SW84	SW82
P52449-01	SW85	SW83
P42840-02	SW84	SW82
P42840-03	SW84	SW82
P42840-04	SW84	SW82
P46840-01	SW84	SW82
P46840-02	SW84	SW82
P50740-01	SW84	SW82

SYMPTOM: If the power LED on front of the TV is turning ON for 10-20 seconds, OFF for 1-2 second and keeps repeating, the problem is most likely IC5750A. Affected models are the 2009 & 2010 TVs (LCD and Plasma) listed.



IC5750 to be replaced

Check IC manufacture for either Samsung or Quimonda

The IC 5750A you receive will have software 84 installed in it. If IC 5700's manufacture is Quimonda or TV is a 52" then the software will need to be changed with the use of a USB drive.

Note : Only use this software in the Sanyo TVs listed. If used in wrong chassis, it could cause TV not to come on and IC 5750 will need to be changed again.

DP50749-00

This self test is only for the DP50749-00, with the Samsung panel.

The self test will not work with the Panasonic panel.

Panel: Self Test

Panel is capable of generating internal patterns without the Main Signal Board attached. (rotating: white / red / green / blue / and various other patterns)

This test eliminates Main Signal Board from circuit and confirms if panel itself is operating properly.

- 1) Unplug these connectors on Main Signal Board.

K8P

K8B

- 2) Short pins 1-4 together on Logic Bd. at under connector CN2000. (a small screw works good to short all together)

- 3) K8P Connector

These pins must be shorted together.

p#1 & #3

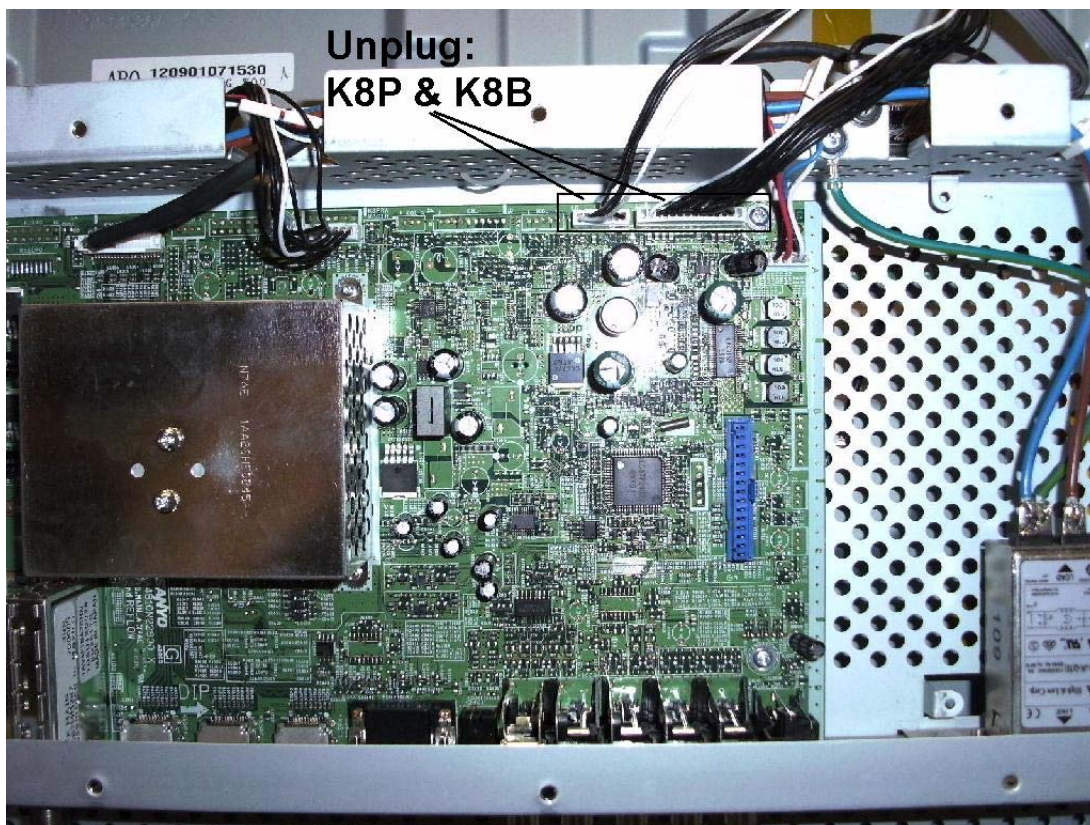
p#2 & #7

Shorting these pins together will automatically energize the panel, after AC power has been applied in step #4 below.

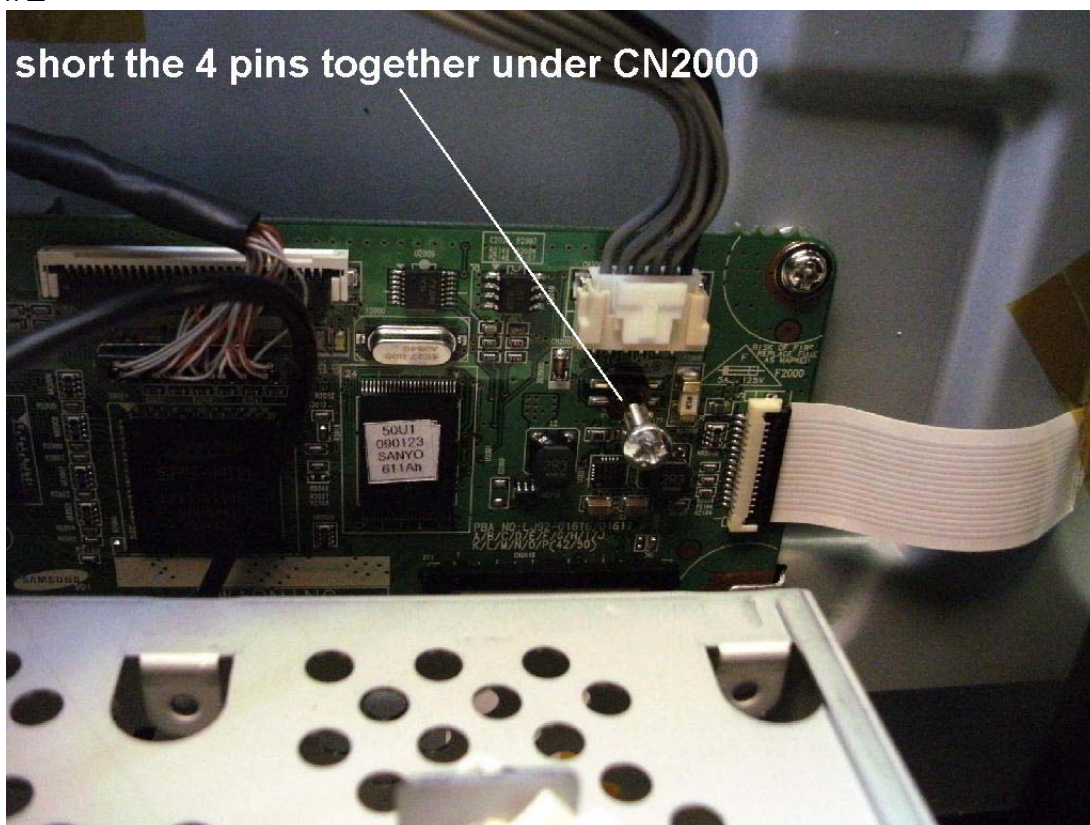
- 4) AC power must be applied to panel. Power cord can still be attached to AC Filter, or power can be applied directly to CN800s on SMPS.
(recommend that AC Filter still be used for ease of connection, but can be bypassed if needed)
- 5) Please remember to remove the screw on the Logic Board under CN2000, when finished.

note: no audio is available with panel self test

#1



#2



#4

K8P: short these pins together
p#1 to #3 (p#1 is white wire)
p#2 to #7





FILE NO.

**SERVICE MANUAL Remote Control Digital
Color Television**

**DP50749 (U.S.A.)
(CANADA)
ORIGINAL VERSION**



Chassis No. P50749-00

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

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Specifications

POWER RATING	120VAC 464 W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	54 KEY REMOTE CONTROL
SOUND OUTPUT	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	1245mm
HEIGHT	842mm
DEPTH INCLUDING BASE	360mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

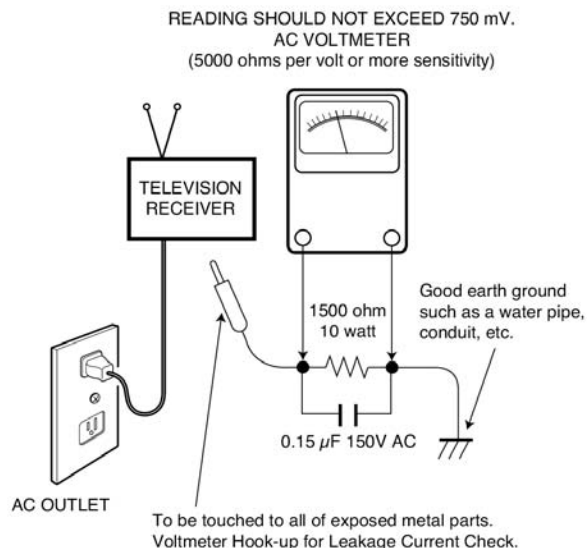
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a ⚠ in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (-) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

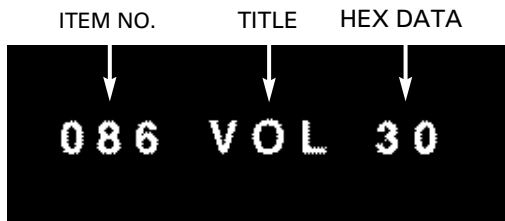


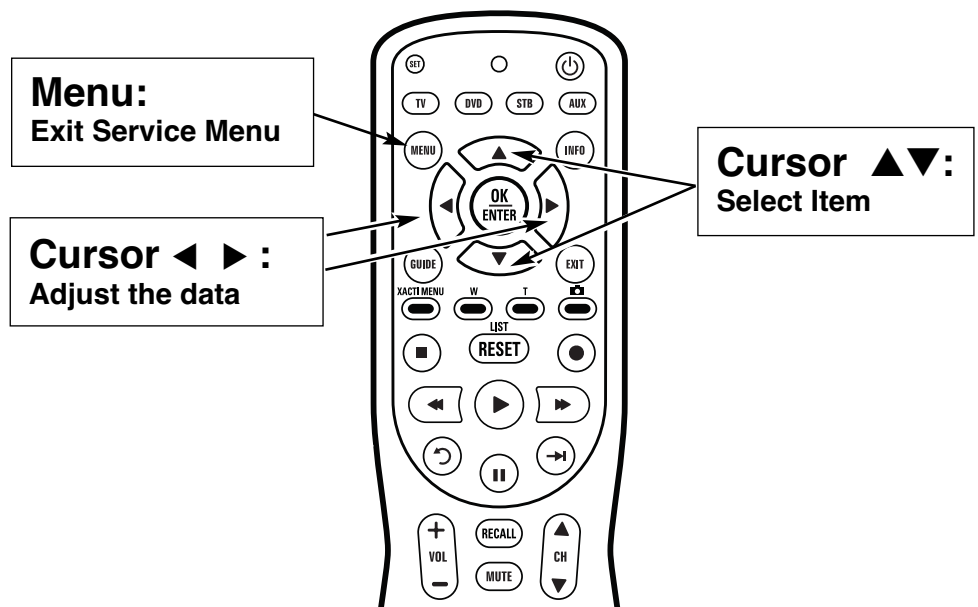
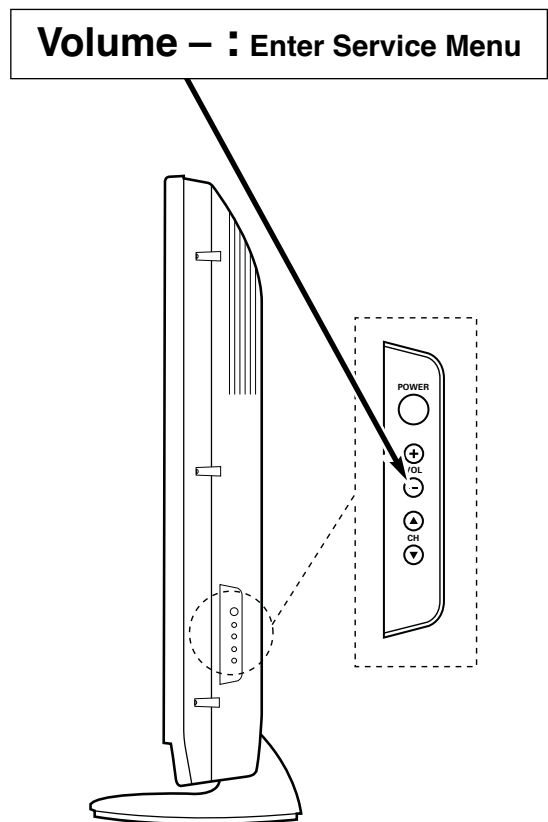
Figure 1. Service Menu Display

2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC801 (EEPROM) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	00h	Option 1 Data (HDMI)
088	OP2	3Dh	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 00. See 087 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 3D. See 088 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

CPU (IC800) is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit. (Connected to IC800 pin 48 and pin 23.)

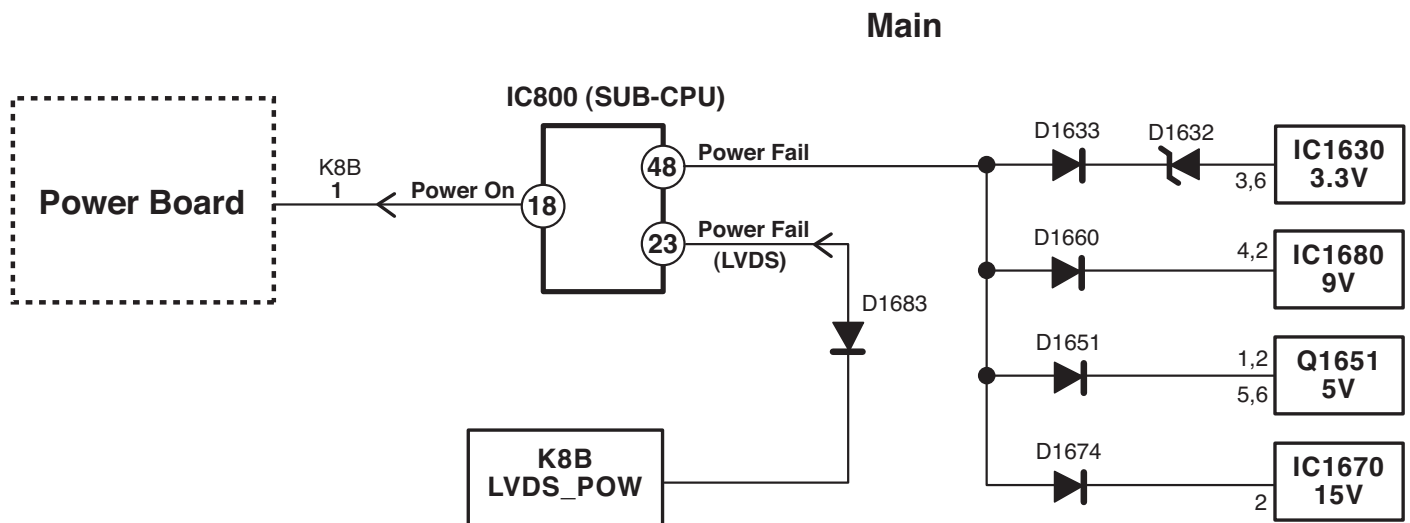
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the CPU it is necessary to disconnect the AC cord for a short time.



MECHANICAL DISASSEMBLY

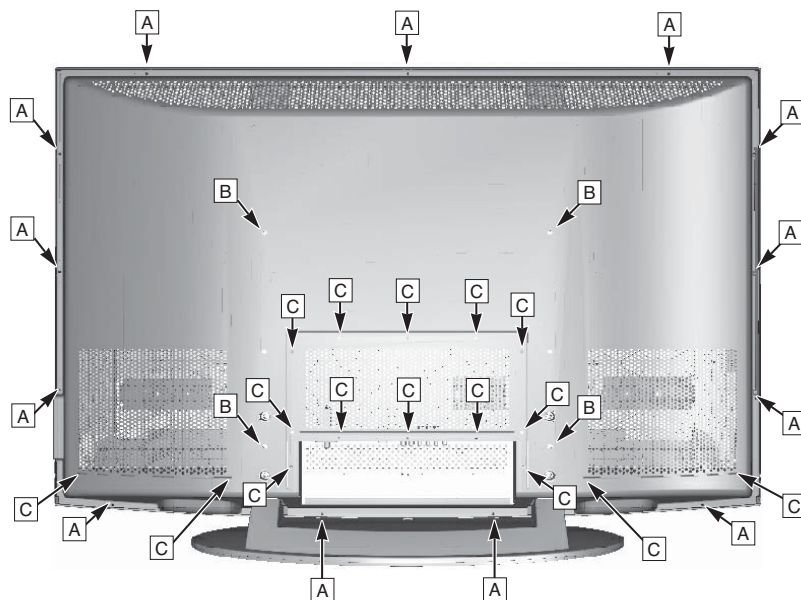
CAUTION:

This PDP TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

BACK CABINET REMOVAL

Remove 33 screws to take the back cabinet off.

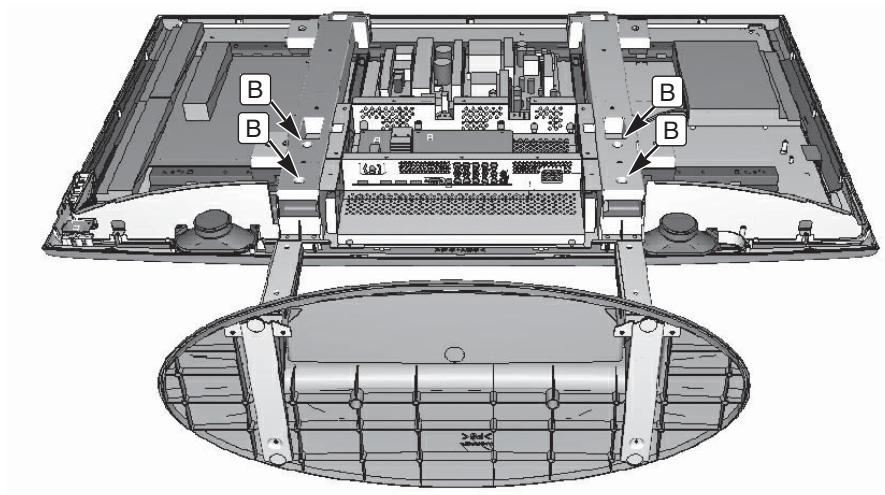
A:4x10, 13pcs; B:6x16, 4pcs; C:4x8, 16 pcs



STAND REMOVAL

Note: Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 4 screws (B: 6x16) to take the stand off.



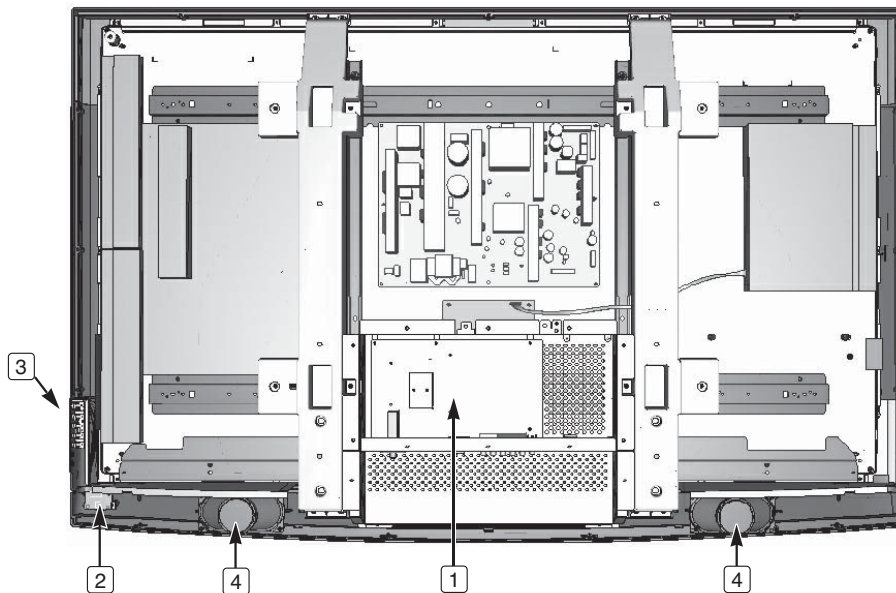
MECHANICAL DISASSEMBLY (CONT.)



ELECTROSTATICALLY SENSITIVE DEVICES

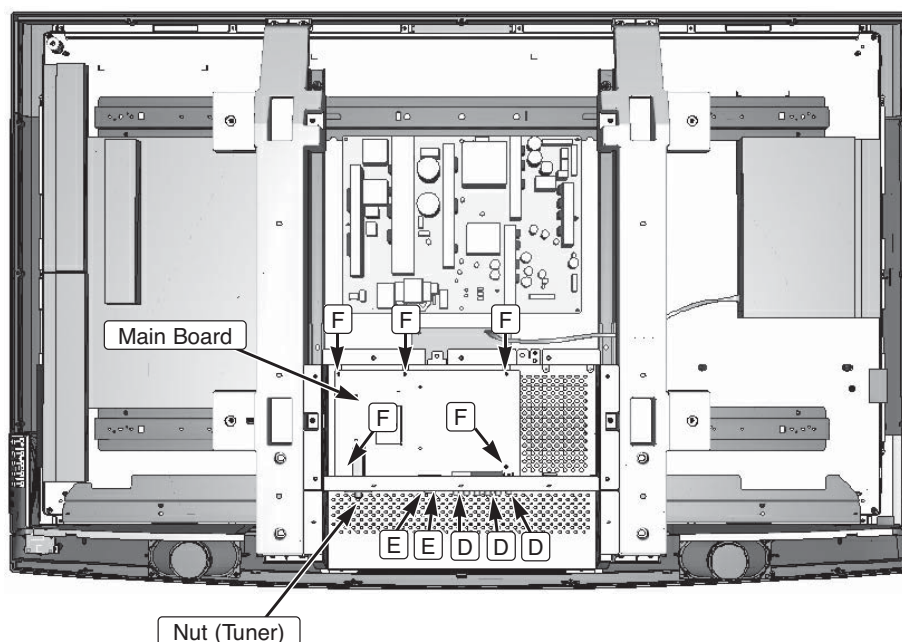
Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

BOARD LOCATIONS



MAIN BOARD REMOVAL

Remove 10 screws (D3x12, 3 pcs; E:PC terminal nuts, 2 pcs; F:3x6, 5 pcs) and 1 nut (Tuner) to take the main board off.



MECHANICAL DISASSEMBLY (CONT.)

1: KEW SW BOARD REMOVAL

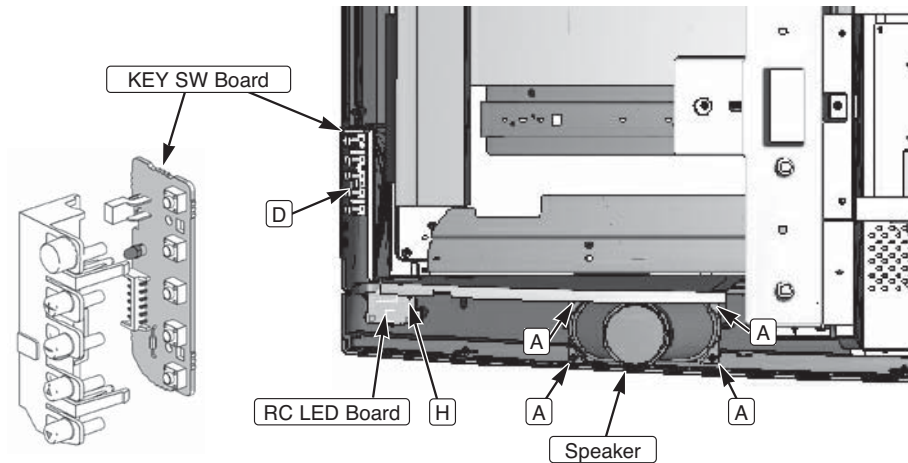
Remove 1 screw (D: 3x12) to take the key sw board off.

3: SPEAKER REMOVAL

Remove 4 screws (A: 4x10) to take off each speaker.

2: RC LED REMOVAL

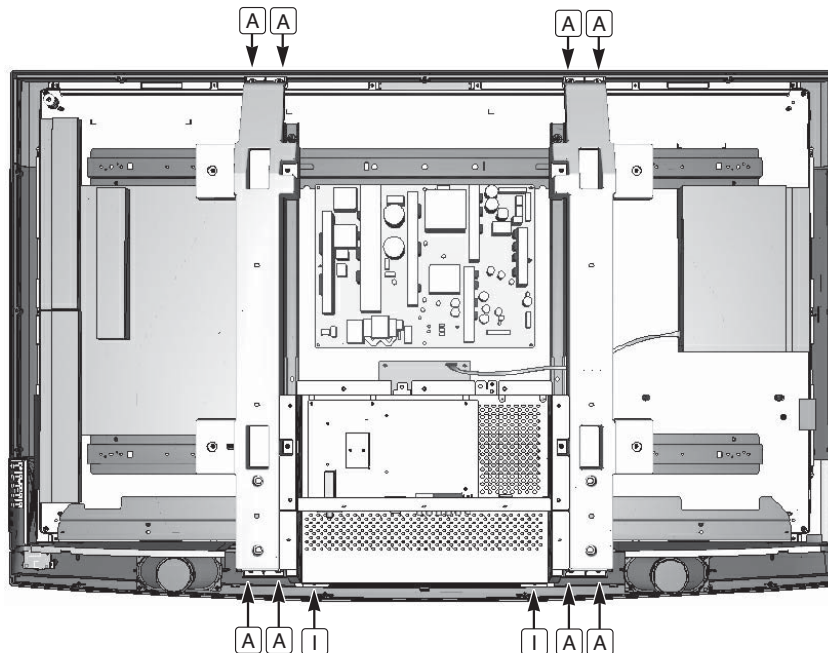
Remove 1 screw (H:3x6) to take the rc led board off.



FILTER GLASS REMOVAL

1. Take the connectors of below lead wire off.
control Board ~ Main Board: **K8CTR**
Speakers ~ Main Board: **KSP**

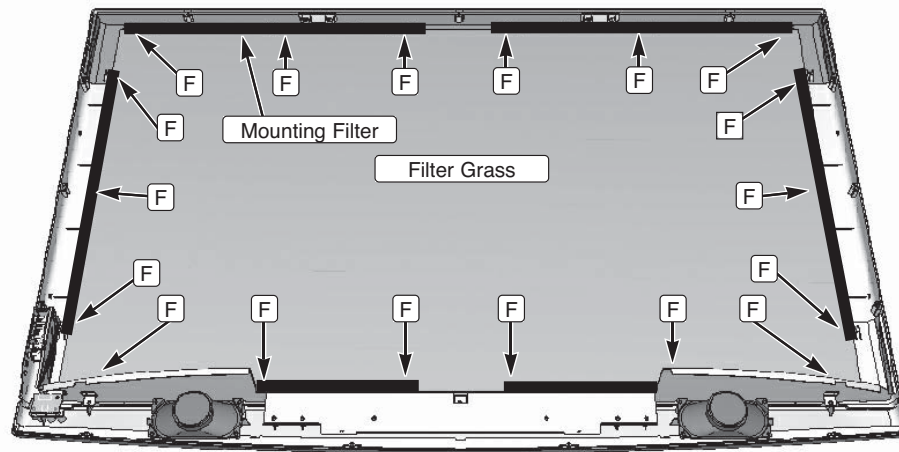
2. Remove 10 screws (A:4x10, 8 pcs; I:4x8, 2 pcs)
to take the panel module and panel holders
(Mounting Frames) with boards off.



Continued...

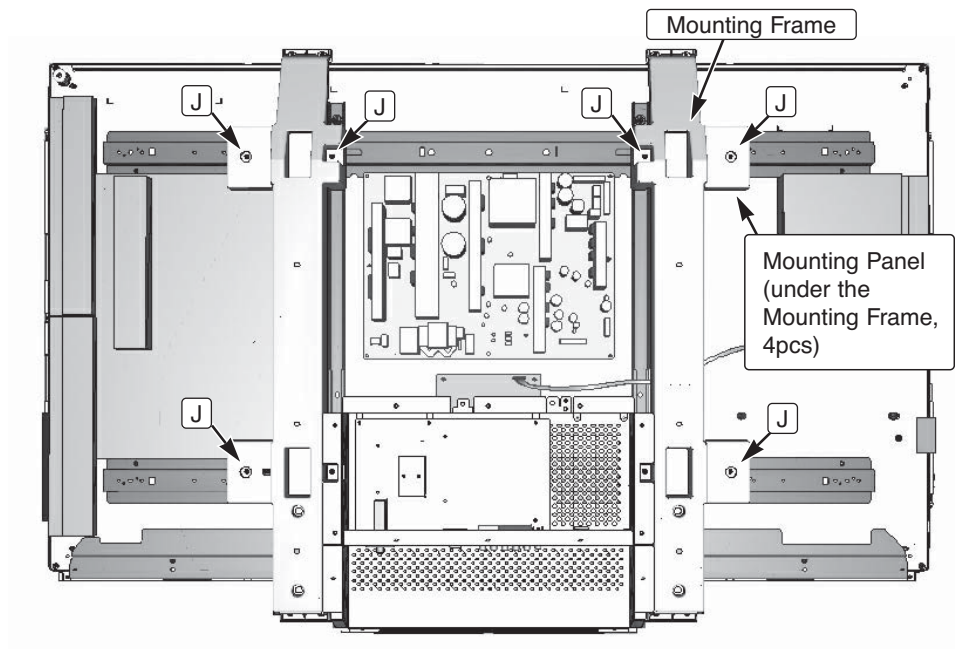
MECHANICAL DISASSEMBLY (CONT.)

3. Remove 18 screws (F3x6) to take the mounting filter (6 pcs) and filter glass off.



PANEL MODULE REMOVAL

1. Disconnect the following socket connections.
PDP Module (Power Unit) ~ Main Board: **P813**
PDP Module (Power Unit) ~ AC inlet: **SC101**
2. Remove 6 screws (J:4x14) from the panel holders (Mounting Frames) to take the panel module off.
3. Remove 8 screw (I4x8) to take off each mounting panel (4 pcs).



CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:
Less than 10pF

A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$
D : $\pm 0.5\text{pF}$ E : $\pm 0.1\text{pF}$ F : $\pm 1\text{pF}$
G : $\pm 2\text{pF}$ H : $\pm 0.1 - 0\text{pF}$ L : $\pm 0 - 0.1\text{pF}$
R : $\pm 0.25 - 0\text{pF}$ S : $\pm 0 - 0.25\text{pF}$

More than 10pF

A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$
D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$
H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$
L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$
P : $\pm 100 - 0\%$ Q : $\pm 30 - 10\%$ T : $\pm 50 - 10\%$
U : $\pm 75 - 10\%$ V : $\pm 20 - 10\%$ W : $\pm 100 - 10\%$
X : $\pm 40 - 20\%$ Y : $\pm 150 - 10\%$ Z : $\pm 80 - 20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST..... Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO..... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic
Semiconductive Electrolytic

Schematic Location	Part No.	Description
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RESISTORS

NOTES:

Read description of the Resistor as follows:

(Example)

CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A...General B...Non-flammable
Z...Low noise
Other... Temperature coefficient

Tolerance Symbols:

A...0.05% B...0.1% C...25%
D...0.5% F...1% G...2%
J...5% K...10% M...20%
P...+5 -15%

Rated Value, ohms:

K...1,000 M...1,000,000

Material:

CARBON..... Carbon
MT-FILM..... Metal Film
OXIDE-MT..... Oxide Metal Film
SOLID..... Composition
MT-GLAZE..... Metal Glaze
WIRE WOUND..... Wire Wound
CERAMIC RES..... Ceramic
FUSIBLE RES..... Fusible

Schematic Location	Part No.	Description
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CAPACITORS

C016	CK1E105KGMBNG	CERAMIC 1U K 25V
C017	CEXLB1E102VEJ	ELECT 1000U M 25V
	CE1E102MZVANC	ELECT 1000U M 25V
C019	CK1A105KLZBNG	CERAMIC 1U K 10V
C020	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C021	CK1A105KLZBNG	CERAMIC 1U K 10V
C022	CK1A105KLZBNG	CERAMIC 1U K 10V
C023	CK1A105KLZBNG	CERAMIC 1U K 10V
C024	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C025	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C026	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C027	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C028	CK1A105KLZBNG	CERAMIC 1U K 10V
C029	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C030	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C031	CEXLB1H100VEJ	ELECT 10U M 50V
	CE1H100MZVANC	ELECT 10U M 50V
C032	CK1E105KGMBNG	CERAMIC 1U K 25V
C033	CK1A105KLZBNG	CERAMIC 1U K 10V
C034	CK1A105KLZBNG	CERAMIC 1U K 10V
C035	CK1A105KLZBNG	CERAMIC 1U K 10V
C038	CK1A105KLZBNG	CERAMIC 1U K 10V
C039	CK1A105KLZBNG	CERAMIC 1U K 10V
C040	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C041	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C042	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C043	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C044	CK1E474KLZBNG	CERAMIC 0.47U K 25V
C045	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C046	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C047	CK1E105KGMBNG	CERAMIC 1U K 25V
C050	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C800	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C801	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C802	CK1A105KLZBNG	CERAMIC 1U K 10V
C803	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C806	CEXLB0J221VDJ	ELECT 220U M 6.3V
C808	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C809	CK1A105KLZBNG	CERAMIC 1U K 10V
C813	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C820	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C821	CC1H180JLZCNG	CERAMIC 18P J 50V
C822	CC1H220JLZCNG	CERAMIC 22P J 50V
C1000	CEXLB1H4R7VDJ	ELECT 4.7 U M 50V
C1002	CK1A105KLZBNG	CERAMIC 1U K 10V
C1004	CK1A105KLZBNG	CERAMIC 1U K 10V
C1006	CK1A105KLZBNG	CERAMIC 1U K 10V
C1009	CK1A105KLZBNG	CERAMIC 1U K 10V
C1010	CK1A105KLZBNG	CERAMIC 1U K 10V
C1012	CK1A105KLZBNG	CERAMIC 1U K 10V
C1014	CK1A105KLZBNG	CERAMIC 1U K 10V
C1016	CK1A105KLZBNG	CERAMIC 1U K 10V
C1025	CC1H471JLZCNG	CERAMIC 470P J 50V
C1201	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1610	CC1H221JLZCNG	CERAMIC 220P J 50V

Schematic Location	Part No.	Description
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C1611	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1612	CK1A105KLZBNG	CERAMIC 1U K 10V
C1613	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C1614	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1615	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1617	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C1618	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C1619	CK1A105KLZBNG	CERAMIC 1U K 10V
C1620	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C1621	CK1A105KLZBNG	CERAMIC 1U K 10V
C1623	CC1H331JLZCNG	CERAMIC 330P J 50V
C1625	CEXLB0J222VEJ	ELECT 2200U M 6.3V
C1625	CE0J222MZVANC	ELECT 2200U M 6.3V
C1631	CEXLB0J221VDJ	ELECT 220U M 6.3V
C1634	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C1636	CK1H563KLZBNG	CERAMIC 0.056U K 50V
C1637	CK1H333KLZBNG	CERAMIC 0.033U K 50V
C1642	CK1A105KLZBNG	CERAMIC 1U K 10V
C1644	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C1645	CK1H333KLZBNG	CERAMIC 0.033U K 50V
C1651	CEXLB0J221VDJ	ELECT 220U M 6.3V
C1660	CEXLB1C101VDJ	ELECT 100U M 16V
C1664	CEXLB1C101VDJ	ELECT 100U M 16V
C1672	CEXLB1V471VDJ	ELECT 470U M 35V
C1674	CEXLB1E102VEJ	ELECT 1000U M 25V
	CE1E102MZVANC	ELECT 1000U M 25V
C1675	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C1680	CK1A105KLZBNG	CERAMIC 1U K 10V
C1681	CC1H221JLZCNG	CERAMIC 220P J 50V
C1693	CC1H102JLZCNG	CERAMIC 1000P J 50V
C1801	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C1811	CK1H102KLZBNG	CERAMIC 1000P K 50V
C1816	CK0J106KGMBNG	CERAMIC 10U Z 6.3V
G2403	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
G2404	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
G2405	CK1A105KLZBNG	CERAMIC 1U K 10V
G2407	CK1A105KLZBNG	CERAMIC 1U K 10V
G2409	CC1H101JLZCNG	CERAMIC 100P J 50V
G2410	CC1H101JLZCNG	CERAMIC 100P J 50V
G2416	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
G2417	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
G2418	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C3900	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C3902	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C3904	CK0J106KGMBNG	CERAMIC 10U Z 6.3V
C5501	CK0J106KGMBNG	CERAMIC 10U Z 6.3V
C5503	CK0J106KGMBNG	CERAMIC 10U Z 6.3V
C5504	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5505	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5506	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5507	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5508	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5509	CK0J106KGMBNG	CERAMIC 10U Z 6.3V
C5510	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5511	CC1H221JLZCNG	CERAMIC 220P J 50V
C5512	CK0J105KMNBNG	CERAMIC 1U K 6.3

Schematic Location	Part No.	Description
C5513	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5517	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5518	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5519	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5521	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5523	CK0J476KGBBNG	CERAMIC 47U M 6 .3V
C5524	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5525	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5526	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5527	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5529	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5530	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5532	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5534	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5535	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5536	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5537	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5538	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5539	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5540	CC1H101JLZCNG	CERAMIC 100P J 50V
C5541	CK1H102KLZBNG	CERAMIC 1000P K 50V
C5542	CK1H102KLZBNG	CERAMIC 1000P K 50V
C5544	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5546	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5548	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5549	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5550	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5551	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5552	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5553	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5555	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5556	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5557	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5558	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5559	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5560	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5561	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5562	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5564	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5565	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5567	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5568	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5569	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5570	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5571	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5572	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5573	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5574	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5575	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5576	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5577	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5578	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5579	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5580	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5581	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5582	CK0J105KMNBNG	CERAMIC 1U K 6.3

Schematic Location	Part No.	Description
C5583	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5584	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5585	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5586	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5587	CC1H120JLZCNG	CERAMIC 12P J 50V
C5588	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5589	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5590	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5591	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5592	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5593	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5594	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5595	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5597	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5598	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5600	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5601	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5602	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5603	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5604	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5605	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5606	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5607	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5608	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5609	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5610	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5611	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5614	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5616	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5617	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5618	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5619	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5620	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5621	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5628	CC1H2R0CLZCNG	CERAMIC 2P C 50V
C5629	CC1H1R0CLZCNG	CERAMIC 1P C 50V
C5650	CC1H470JLZCNG	CERAMIC 47P J 50V
C5651	CC1H470JLZCNG	CERAMIC 47P J 50V
C5652	CC1H470JLZCNG	CERAMIC 47P J 50V
C5653	CC1H470JLZCNG	CERAMIC 47P J 50V
C5654	CC1H470JLZCNG	CERAMIC 47P J 50V
C5655	CC1H470JLZCNG	CERAMIC 47P J 50V
C5656	CC1H470JLZCNG	CERAMIC 47P J 50V
C5657	CC1H470JLZCNG	CERAMIC 47P J 50V
C5658	CC1H470JLZCNG	CERAMIC 47P J 50V
C5659	CC1H470JLZCNG	CERAMIC 47P J 50V
C5660	CC1H470JLZCNG	CERAMIC 47P J 50V
C5661	CC1H470JLZCNG	CERAMIC 47P J 50V
C5702	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5703	CK0J106KGBMNG	CERAMIC 10U Z 6.3V
C5704	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5705	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5706	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5707	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5708	CK1C104KMNBNG	CERAMIC 0.1U K 16V

Schematic Location	Part No.	Description
C5709	CK0J106KGMNBNG	CERAMIC 10U Z 6.3V
C5710	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5711	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5712	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5713	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5714	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5715	CK0J105KMNBNG	CERAMIC 1U K 6.3
C5716	CK1C104KMNBNG	CERAMIC 0.1U K 16V
C5717	CK1E103KMNBNG	CERAMIC 0.01U K 25V
C5718	CK1H333KLZBNG	CERAMIC 0.033U K 50V
C5731	CEXLB0J221VDJ	ELECT 220U M 6.3V
C5734	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C5735	CK1H333KLZBNG	CERAMIC 0.033U K 50V
C5736	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C5751	CEXLB1V470VEJ	ELECT 47U M 35V
	CE1V470MZVALC	ELECT 47U M 35V
C5755	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5756	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5802	CC1H680JLZCNG	CERAMIC 68P J 50V
C5803	CC1H680JLZCNG	CERAMIC 68P J 50V
C5804	CC1H680JLZCNG	CERAMIC 68P J 50V
C5806	CC1H270JLZCNG	CERAMIC 27P J 50V
C5807	CC1H270JLZCNG	CERAMIC 27P J 50V
C5808	CC1H270JLZCNG	CERAMIC 27P J 50V
C5810	CC1H5R0CLZCNG	CERAMIC 5P C 50V
C5811	CC1H5R0CLZCNG	CERAMIC 5P C 50V
C5812	CC1H5R0CLZCNG	CERAMIC 5P C 50V
C5814	CC1H120JLZCNG	CERAMIC 12P J 50V
C5815	CC1H120JLZCNG	CERAMIC 12P J 50V
C5816	CC1H120JLZCNG	CERAMIC 12P J 50V
C5818	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5819	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5820	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5821	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C5822	CEXLB1H100VDJ	ELECT 10U M 50V
C5823	CEXLB1H100VDJ	ELECT 10U M 50V
C5901	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C5902	CK1E224KLZBNG	CERAMIC 0.22U K 25V
C6101	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C6102	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C6103	CC1H470JLZCNG	CERAMIC 47P J 50V
C6105	CC1H470JLZCNG	CERAMIC 47P J 50V
C6106	CC1H470JLZCNG	CERAMIC 47P J 50V
C6110	CEXLB0J102VDJ	ELECT 1000U M 6.3V
C6111	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6112	CK1H104KLZBNG	CERAMIC 0.1U K 50V
C6115	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C6130	CK1H102KLZBNG	CERAMIC 1000P K 50V
C6131	CK1H102KLZBNG	CERAMIC 1000P K 50V
C6133	CC1H120JLZCNG	CERAMIC 12P J 50V
C6134	CC1H120JLZCNG	CERAMIC 12P J 50V
C6135	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1 /10W
C6136	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1 /10W
C6207	CEXLB1H100VDJ	ELECT 10U M 50V
C6208	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6223	CK1A105KLZBNG	CERAMIC 1U K 10V

Schematic Location	Part No.	Description
C6250	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6251	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6252	CEXLB1V470VDJ	ELECT 47U M 35V
C6253	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C6254	CK1H103KLZBNG	CERAMIC 0.01U K 50V
C6255	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6256	CK0J475KLZBNG	CERAMIC 4.7U K 6.3V
C6257	CK0J106KGMNBNG	CERAMIC 10U Z 6.3V
C6258	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6259	CK0J106KGMNBNG	CERAMIC 10U Z 6.3V
C6260	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6270	CEXLB1H100VEJ	ELECT 10U M 50V
	CE1H100MZVALC	ELECT 10U M 50V
C6272	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6274	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6275	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6276	CEXLB1H100VEJ	ELECT 10U M 50V
	CE1H100MZVALC	ELECT 10U M 50V
C6277	CEXLB1H100VEJ	ELECT 10U M 50V
	CE1H100MZVALC	ELECT 10U M 50V
C6278	CK1A105KLZBNG	CERAMIC 1U K 10V
C6279	CK1A105KLZBNG	CERAMIC 1U K 10V
C6301	CC1H471JLZCNG	CERAMIC 470P J 50V
C6302	CC1H680JLZCNG	CERAMIC 68P J 50V
C6303	CC1H680JLZCNG	CERAMIC 68P J 50V
C6304	CC1H680JLZCNG	CERAMIC 68P J 50V
C6305	CC1H471JLZCNG	CERAMIC 470P J 50V
C6306	CC1H680JLZCNG	CERAMIC 68P J 50V
C6309	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6310	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6312	CEXLB1H100VDJ	ELECT 10U M 50V
C6321	CK1A105KLZBNG	CERAMIC 1U K 10V
C6322	CK1A105KLZBNG	CERAMIC 1U K 10V
C6324	CK1A105KLZBNG	CERAMIC 1U K 10V
C6501	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6502	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6503	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6531	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6533	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6561	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6563	CK1H104ZLZFN	CERAMIC 0.1U Z 50V
C6605	CK1A105KLZBNG	CERAMIC 1U K 10V
C6606	CC1H220JLZCNG	CERAMIC 22P J 50V
C6607	CC1H220JLZCNG	CERAMIC 22P J 50V
C6609	CEXLB1V471VDJ	ELECT 470U M 35V
C6611	CK1E103KMNBNG	CERAMIC 0.01U K 25V

Schematic Location	Part No.	Description
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DIODES

D001	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D800	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D801	DZUDZS3.9B—G	ZD UDZS-TE-173.9B
D1602	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D1603	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D1632	DZUDZS3.0B—G	ZD UDZS3.0B-TE-17
D1633	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D1651	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D1660	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D1670	DDSS3P3-E3—G	DIODE SS3P3-E3/84A
D1674	DD1SS352—G	DIODE 1SS352-(TPH3)
	DD1SS355—G	DIODE 1SS355-TE-17
D2402	DDRB551V-30-G	DIODE RB551V-30-TE-17
D2403	DDRB551V-30-G	DIODE RB551V-30-TE-17
D3900	DLSPR-39MVWFN	LED SPR-39MVWF
D3900A	1AV2SA9SD01D-	SPACER
D6500	DDRB551V-30-G	DIODE RB551V-30-TE-17
D6501	DDRB551V-30-G	DIODE RB551V-30-TE-17
D6502	DDRB551V-30-G	DIODE RB551V-30-TE-17
D6503	DDRB551V-30-G	DIODE RB551V-30-TE-17

INTEGRATED CIRCUITS

IC001	QLV49152V-E-P	IC LV49152V-TLM-E
IC002	QTC7SET08FU-P	IC TC7SET08FU
IC800	QXXAAJQ0973—	IC LC87F2932AVU-Y09LCD
IC800A	QXXGA0500125M	IC LC87F2932AVU-QIP-E
IC801	QXXAVC986—P	IC CAT24C02WI-GT3
	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
IC804	QTC7SET14FU-P	“IC TC7SET14FU-(TE85L,F)”
IC1200	QCD4052BNSR-P	IC CD4052BNSR
	QTC4052BF—P	IC TC4052BF-EL
IC1610	QBD9845FV—P	IC BD9845FV-E2
IC1630	QXXAVD077—G	IC PQ033EHS2ZPH
IC1640	QXXAVD076—G	IC PQ018EHS2ZPH
IC1660	QXXAVC692—P	IC PQ1LAX95MSPQ
IC1670	QLA5774MPE—P	IC LA5774MP-DL-E
IC1801	QTC7SET08FU-P	IC TC7SET08FU
IC2401	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2402	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2403	QXXAVC986—P	IC CAT24C02WI-GT3
	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
IC2404	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC2405	QTC7SH08FU—P	IC TC7SH08FU(TE85L)
IC5500	QXXAVD160—M	IC BCM35243KFEB1G P11
IC5500A	1AA2HER0052—	HEAT SINK SHEET-N7BE
IC5700	QXXAVD134—M	IC K4T51163QG-HCF8
	QXXAVD057—P	IC HYB18TC512160CF-1.9

Schematic Location	Part No.	Description
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IC5730	QXXAVD076—G	IC PQ018EHS2ZPH
IC5750	QXXAAJQ0972—	IC HY27US08561A N7AE
IC5750A	QXXAVD058—M	IC HY27US08561A
IC5900	QXXAVD046—P	IC XC6108N28AMR
IC6250	QCS4352-CZZ-P	IC CS4352-CZZ
IC6270	QPCM1808PWR-P	IC PCM1808PWR
IC6300	QNJM4558M—P	IC NJM4558M-TE2
	QBA4558RF-E2P	IC BA4558RF-E2
IC6501	QXXAVC986—P	IC CAT24C02WI-GT3
	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
IC6502	QCD4052BNSR-P	IC CD4052BNSR
	QTC4052BF—P	IC TC4052BF-EL
IC6531	QXXAVC986—P	IC CAT24C02WI-GT3
	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
IC6561	QXXAVC986—P	IC CAT24C02WI-GT3
	QLE24C023M-EP	IC LE24C023M-TLM-E
	QXXAVC837—P	IC AT24C02BN-10SU-1.8
IC6601	QRT9711CGB—P	IC RT9711CGB

COILS

L004	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L005	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L006	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L007	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L011	1LB4L26B1180G	INDUCTOR 10U M
L012	1LB4L26B1180G	INDUCTOR 10U M
L013	1LB4L26B1180G	INDUCTOR 10U M
L014	1LB4L26B1180G	INDUCTOR 10U M
L800	1AV4L2FB3R3MG	“INDUCTOR,3.3U M”
L801	1AV4L2FB3R3MG	“INDUCTOR,3.3U M”
L1000	1AV4L2FB3R3MG	“INDUCTOR,3.3U M”
L1200	1AV4L2FB3R3MG	“INDUCTOR,3.3U M”
L1600	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1601	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1602	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1610	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1613	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1614	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1620	1AV4L26B5930N	“INDUCTOR,10U”
L1621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1622	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1623	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1624	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1625	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1626	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1633	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1634	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1635	1LB4L26B0740G	“INDUCTOR ,220 OHM”
L1636	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1637	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1638	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1640	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1654	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
L1655	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1662	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L1673	1AV4L2WK560MN	"INDUCTOR,56U M"
	1LB4L26B1030N	"INDUCTOR,56UH"
L1678	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1679	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1800	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L1902	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5500	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5501	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5502	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5503	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5504	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5505	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5509	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5511	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5513	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5514	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5515	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5516	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5517	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5518	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5519	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5520	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5521	1LB4L26B0700G	"INDUCTOR ,120 OHM"
L5522	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5523	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5524	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5525	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5650	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5651	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5652	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5653	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5654	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5655	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L5701	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L5730	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5751	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L5802	1AV4L2GA150JG	"INDUCTOR,15U J"
L5803	1AV4L2GA150JG	"INDUCTOR,15U J"
L5804	1AV4L2GA150JG	"INDUCTOR,15U J"
L6100	RGF1200JTCANL	MT-GLAZE 120 JA 1/10W
L6101	RGF1200JTCANL	MT-GLAZE 120 JA 1/10W
L6104	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6105	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6117	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L6131	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L6132	1AV4L2GAR47JG	"INDUCTOR,0.47U J"
L6250	1LB4L26B0740G	"INDUCTOR ,220 OHM"
L6251	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6252	1AV4L2FB3R3MG	"INDUCTOR,3.3U M"
L6301	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6305	1AV4R1D30R04G	R-NETWORK 0X4 1/32W
L6306	1AV4R1D30R04G	R-NETWORK 0X4 1/32W
L6307	1AV4R1D30R04G	R-NETWORK 0X4 1/32W
L6602	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
TRANSISTORS		
Q001	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q800	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q801	TXXLBB005—P	TR MMBTSA1235F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
Q806	TXXLBB005—P	TR MMBTSA1235F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
Q807	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q808	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1001	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1002	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1200	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1201	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1202	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1203	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1600	TA04449—P	TR A04449
Q1602	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1604	T2SC2411K-Q-P	TR 2SC2411K-T146-Q
Q1630	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1631	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1633	T2SC2411K-Q-P	TR 2SC2411K-T146-Q
Q1640	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1670	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1801	TXXLBB006—P	TR MMBTSC3928R

Schematic Location	Part No.	Description
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1802	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q1803	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q2400	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q2401	TUM6K1N—P	TR UM6K1N-TN
Q3900	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q3901	QGA1A2S100LYN	IC GA1A2S100LY
Q5501	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q5730	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q5802	TXXLBB005—P	TR MMBTSA1235F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
Q5803	TXXLBB005—P	TR MMBTSA1235F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
Q5804	TXXLBB005—P	TR MMBTSA1235F
	TISA1235AC1EP	TR ISA1235AC1E
	TISA1235AC1FP	TR ISA1235AC1F
Q5806	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q5807	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q5808	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6500	T3LN01C-E—P	TR 3LN01C-TB-E
Q6501	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6502	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6503	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6504	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6510	TXXAVB021—K	TR UPA672T-T1-A
Q6511	TXXAVB021—K	TR UPA672T-T1-A
Q6512	TXXAVB021—K	TR UPA672T-T1-A

Schematic Location	Part No.	Description
Q6523	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6530	T3LN01C-E—P	TR 3LN01C-TB-E
Q6553	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6560	T3LN01C-E—P	TR 3LN01C-TB-E
Q6584	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S
Q6600	TXXLBB006—P	TR MMBTSC3928R
	T2SC3928A1R-P	TR 2SC3928A1R
	T2SC3928A1S-P	TR 2SC3928A1S

RESISTORS

R009	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R010	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R011	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R013	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R014	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R015	RGF2701FTCANL	MT-GLAZE	2.7K FA 1/10W
R016	RGF6801FTCANL	MT-GLAZE	6.8K FA 1/10W
R017	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R021	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R022	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R023	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R024	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R025	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R800	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R801	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R802	RGF2702JTCANL	MT-GLAZE	27K JA 1/10W
R803	RGF10R0JTCANL	MT-GLAZE	10 JA 1/10W
R805	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R806	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R807	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R810	RGF4700JTCANL	MT-GLAZE	470 JA 1/10W
R811	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R813	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R818	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R819	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R820	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R821	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R826	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R827	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R828	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R829	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R830	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R831	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R833	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R840	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R841	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R844	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R845	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R846	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W

Schematic Location	Part No.	Description
R847	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R848	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R851	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R852	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R853	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R854	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R857	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R858	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R859	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R860	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R861	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R862	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R865	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R871	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R875	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R876	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R877	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R878	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R879	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R881	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R883	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R884	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R885	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R886	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R887	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R888	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R890	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R891	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R892	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R893	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R894	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R895	RGF2702JTCANL	MT-GLAZE 27K JA 1/10W
R896	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R897	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R899	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1005	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R1006	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R1012	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1014	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1015	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1016	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1018	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1019	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1020	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1021	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1022	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1036	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1037	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1038	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1040	RGF4700JTCANL	MT-GLAZE 470 JA 1/10W
R1041	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1042	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1043	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1044	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1045	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1046	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W

Schematic Location	Part No.	Description
R1047	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1048	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1049	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1050	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1051	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1052	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1053	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1054	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1055	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R1056	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R1057	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1058	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R1064	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1072	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1077	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1078	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1079	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1080	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1096	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1098	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1100	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1102	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1104	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1106	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1108	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1110	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1200	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1201	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1202	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1203	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1205	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1207	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1208	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1209	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1611	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1612	RGF4702JTCANL	MT-GLAZE 47K JA 1/10W
R1613	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1614	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1619	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1620	RGF4700FTCANL	MT-GLAZE 470 FA 1/10W
R1621	RGF1001FTCANL	MT-GLAZE 1K FA 1/10W
R1622	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1623	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1624	RGF18R0JTCANL	MT-GLAZE 18 JA 1/10W
R1625	RN1R005JTFANL	MT-FILM 0.005 JA 1W
R1627	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1631	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R1632	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1633	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1639	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1640	RWXLB71R2KXAL	WIRE WOUND 1.2 KA 7W
R1642	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R1643	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1644	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1655	RGF3302JTCANL	MT-GLAZE 33K JA 1/10W
R1657	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W

Schematic Location	Part No.	Description
R1659	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1660	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1661	RGF6801FTCANL	MT-GLAZE 6.8K FA 1/10W
R1662	RGF5602FTCANL	MT-GLAZE 56K FA 1/10W
R1663	RGF1002FTCANL	MT-GLAZE 10K FA 1/10W
R1666	RG147R0JTEANL	MT-GLAZE 47 JA 1W
R1667	RG122R0JTEANL	MT-GLAZE 22 JA 1W
R1670	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R1671	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R1672	RGF3301FTCANL	MT-GLAZE 3.3K FA 1/10W
R1673	RGF2201FTCANL	MT-GLAZE 2.2K FA 1/10W
R1674	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R1678	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1683	RGF68R0JTCANL	MT-GLAZE 68 JA 1/10W
R1684	RG14700JTEANL	MT-GLAZE 470 JA 1W
R1686	RGF2700JTCANL	MT-GLAZE 270 JA 1/10W
R1687	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1688	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1696	RGF33R0JTCANL	MT-GLAZE 33 JA 1/10W
R1699	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1800	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1801	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1802	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1805	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1806	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1807	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1808	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1810	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R1811	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R1813	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1816	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1821	1LB4L26B0700G	"INDUCTOR,"120 OHM
R1822	1LB4L26B0700G	"INDUCTOR,"120 OHM
R1823	1LB4L26B0740G	"INDUCTOR,"220 OHM
R1826	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1827	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1831	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1833	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1835	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1837	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R1850	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1851	RGF1003JTCANL	MT-GLAZE 100K JA 1/10W
R1852	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1853	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R1854	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1856	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R1869	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1901	RGF1801JTCANL	MT-GLAZE 1.8K JA 1/10W
R1902	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R1903	RGF3901JTCANL	MT-GLAZE 3.9K JA 1/10W
R1904	RGF5601JTCANL	MT-GLAZE 5.6K JA 1/10W
R1905	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R1906	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R1907	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R2404	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2405	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R2406	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R2407	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R2408	RGF1503JTCANL	MT-GLAZE 150K JA 1/10W
R2409	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R2410	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2411	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2414	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R2415	RGF3303JTCANL	MT-GLAZE 330K JA 1/10W
R2419	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2420	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2421	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2422	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2426	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2427	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2428	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2429	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2430	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2432	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2434	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2435	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R2436	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R2437	RGF47R0JTCANL	MT-GLAZE 47 JA 1/10W
R2438	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2445	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2446	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2447	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2448	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2449	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R2455	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2456	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2457	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2458	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R2459	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2460	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R2461	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R3200	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3203	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3900	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R3902	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3903	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R3904	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R3905	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R3906	RGF3300JTCANL	MT-GLAZE 330 JA 1/10W
R3907	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R3908	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R3909	RGF2200JTCANL	MT-GLAZE 220 JA 1/10W
R3910	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3911	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R3912	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5500	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5502	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5503	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5511	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5515	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R5516	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5517	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R5532	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5533	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5534	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5535	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5536	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5538	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5539	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5540	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5542	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5543	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5544	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5545	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5547	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5549	RGF2701FTCANL	MT-GLAZE 2.7K FA 1/10W
R5550	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5552	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5553	RGF3300FTCANL	MT-GLAZE 330 FA 1/10W
R5557	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5558	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5559	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5560	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5562	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5563	RGF1004JTCANL	MT-GLAZE 1M JA 1/10W
R5564	RGF1500JTCANL	MT-GLAZE 150 JA 1/10W
R5565	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5566	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5567	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5568	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5569	RGF82R0JTCANL	MT-GLAZE 82 JA 1/10W
R5570	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5650	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5652	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5654	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5656	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5658	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5660	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5700	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5701	RGF1000FTCANL	MT-GLAZE 100 FA 1/10W
R5702	RGG56R0FTHANL	MT-GLAZE 56 FA 1/16W
R5703	RGG56R0FTHANL	MT-GLAZE 56 FA 1/16W
R5731	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5732	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R5733	RGF2202JTCANL	MT-GLAZE 22K JA 1/10W
R5735	RGF68R0JTCANL	MT-GLAZE 68 JA 1/10W
R5751	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R5776	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5802	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5803	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5804	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5806	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5807	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5808	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5815	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5817	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5819	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W

Schematic Location	Part No.	Description
R5822	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5823	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5824	RGF6800JTCANL	MT-GLAZE 680 JA 1/10W
R5826	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5827	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5828	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5833	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5834	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5835	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5836	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5837	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5838	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5839	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5840	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5843	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5846	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5847	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5848	RGF75R0JTCANL	MT-GLAZE 75 JA 1/10W
R5900	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5901	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R5902	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R5950	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R5951	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5954	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5955	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5956	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5957	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5959	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R5960	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6100	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6101	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6104	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6105	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6107	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6109	RGF1000JTCANL	MT-GLAZE 100 JA 1/10W
R6113	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6115	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6116	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6130	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6201	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6203	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6210	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6212	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6232	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6233	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6234	RGF22R0JTCANL	MT-GLAZE 22 JA 1/10W
R6250	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6252	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6253	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6255	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6256	RGF1001JTCANL	MT-GLAZE 1K JA 1/10W
R6257	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6258	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6259	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6260	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description	
R6261	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6270	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6271	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6275	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6276	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R6277	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R6278	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R6280	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R6301	RGF2201FTCANL	MT-GLAZE	2.2K FA 1/10W
R6302	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R6303	RGF2201FTCANL	MT-GLAZE	2.2K FA 1/10W
R6304	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R6305	RGF6802FTCANL	MT-GLAZE	68K FA 1/10W
R6306	RGF6802FTCANL	MT-GLAZE	68K FA 1/10W
R6310	RGF2201FTCANL	MT-GLAZE	2.2K FA 1/10W
R6311	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R6312	RGF2201FTCANL	MT-GLAZE	2.2K FA 1/10W
R6313	RGF3302FTCANL	MT-GLAZE	33K FA 1/10W
R6314	RGF6802FTCANL	MT-GLAZE	68K FA 1/10W
R6315	RGF6802FTCANL	MT-GLAZE	68K FA 1/10W
R6316	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R6317	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6318	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6321	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R6322	RGF1000JTCANL	MT-GLAZE	100 JA 1/10W
R6342	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6347	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6384	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6500	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6501	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6502	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6503	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6504	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6505	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6506	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6507	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6508	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6509	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6510	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6511	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6512	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6513	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6514	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6515	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6516	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6517	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6518	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6519	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6520	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6521	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R6522	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6524	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6525	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R6526	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6527	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6528	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W

Schematic Location	Part No.	Description	
R6529	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6530	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6531	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6532	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6535	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6539	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6540	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6541	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6542	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6543	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6544	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6545	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6546	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6547	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6548	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6549	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6550	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6551	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R6552	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6554	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R6555	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6556	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6557	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6560	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6561	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6562	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6565	RGF4701JTCANL	MT-GLAZE	4.7K JA 1/10W
R6566	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6567	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6569	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6570	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6571	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6572	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6573	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6575	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6576	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6577	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6578	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6579	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6580	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6581	RGF47R0JTCANL	MT-GLAZE	47 JA 1/10W
R6582	RGF1001JTCANL	MT-GLAZE	1K JA 1/10W
R6583	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6585	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6587	RGF2202JTCANL	MT-GLAZE	22K JA 1/10W
R6591	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6592	RGF2201JTCANL	MT-GLAZE	2.2K JA 1/10W
R6599	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W
R6611	RGF1002JTCANL	MT-GLAZE	10K JA 1/10W
R6613	RGF22R0JTCANL	MT-GLAZE	22 JA 1/10W
R6614	RGF22R0JTCANL	MT-GLAZE	22 JA 1/10W
R6615	RGF1502JTCANL	MT-GLAZE	15K JA 1/10W
R6616	RGF1502JTCANL	MT-GLAZE	15K JA 1/10W
R6617	RGF4702JTCANL	MT-GLAZE	47K JA 1/10W
R6618	RGFR000ZTAANL	MT-GLAZE	0.000 ZA 1/10W
R6622	RGFR000ZTCANL	MT-GLAZE	0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6623	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6624	RGF1002JTCANL	MT-GLAZE 10K JA 1/10W
R6630	RGF4701JTCANL	MT-GLAZE 4.7K JA 1/10W
R6631	RGF2203JTCANL	MT-GLAZE 220K JA 1/10W
R6650	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W
R6651	RGFR000ZTCANL	MT-GLAZE 0.000 ZA 1/10W
R6652	RGF2201JTCANL	MT-GLAZE 2.2K JA 1/10W

SWITCHES

SW1901	1AV4S10B0722J	"SWITCH,PUSH"
SW1902	1AV4S10B0722J	"SWITCH,PUSH"
SW1903	1AV4S10B0722J	"SWITCH,PUSH"
SW1904	1AV4S10B0722J	"SWITCH,PUSH"
SW1905	1AV4S10B0722J	"SWITCH,PUSH"

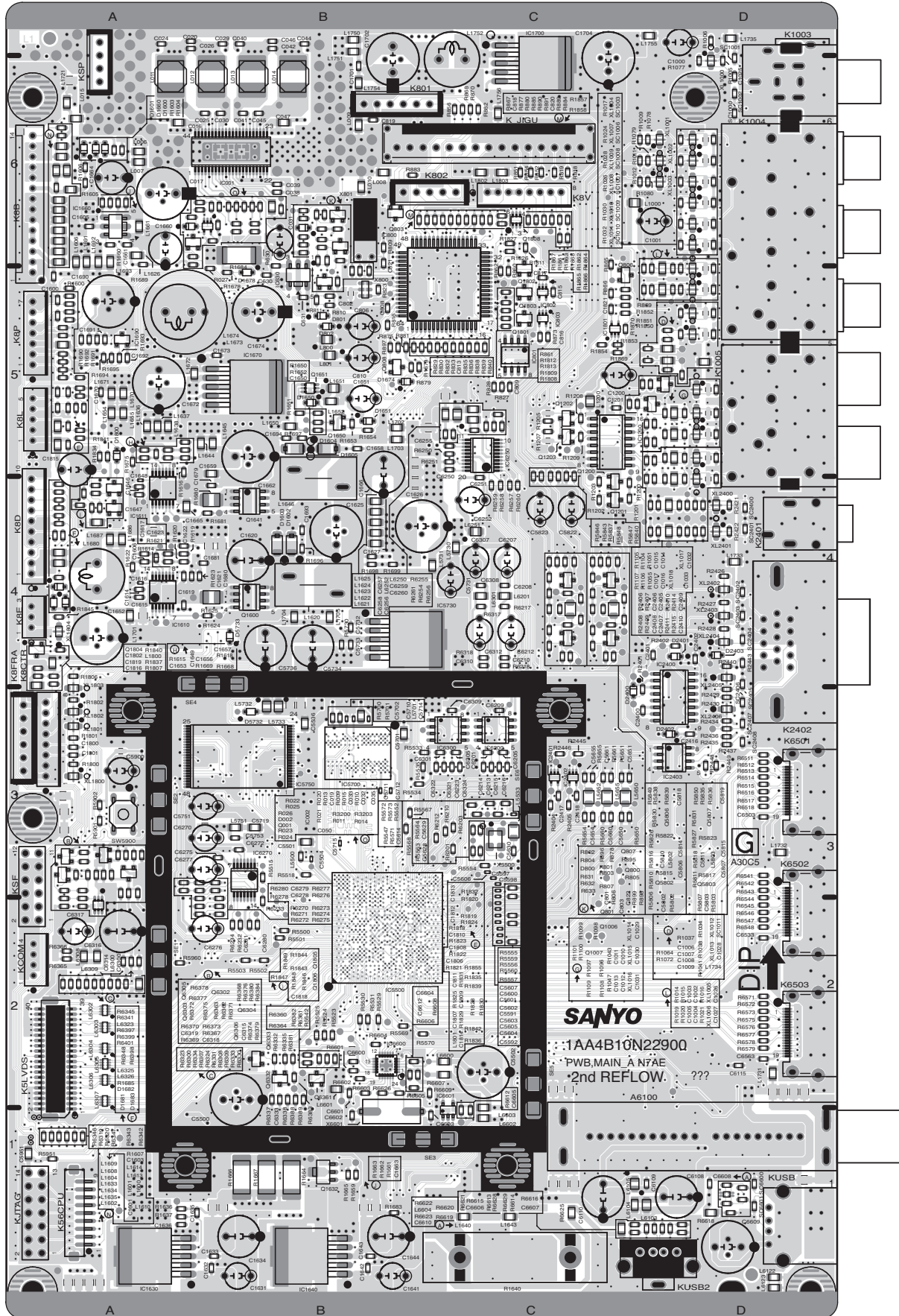
CRYSTAL / FILTERS

X5500	1AV4V10B9220G	"OSC,CRYSTAL 54.1MHZ"
X800	1AV4V11B1771G	"OSC,CERAMIC 8.00MHZ"
X801	1AV4V10B0560N	"OSC,CRYSTAL 32.768KHZ"

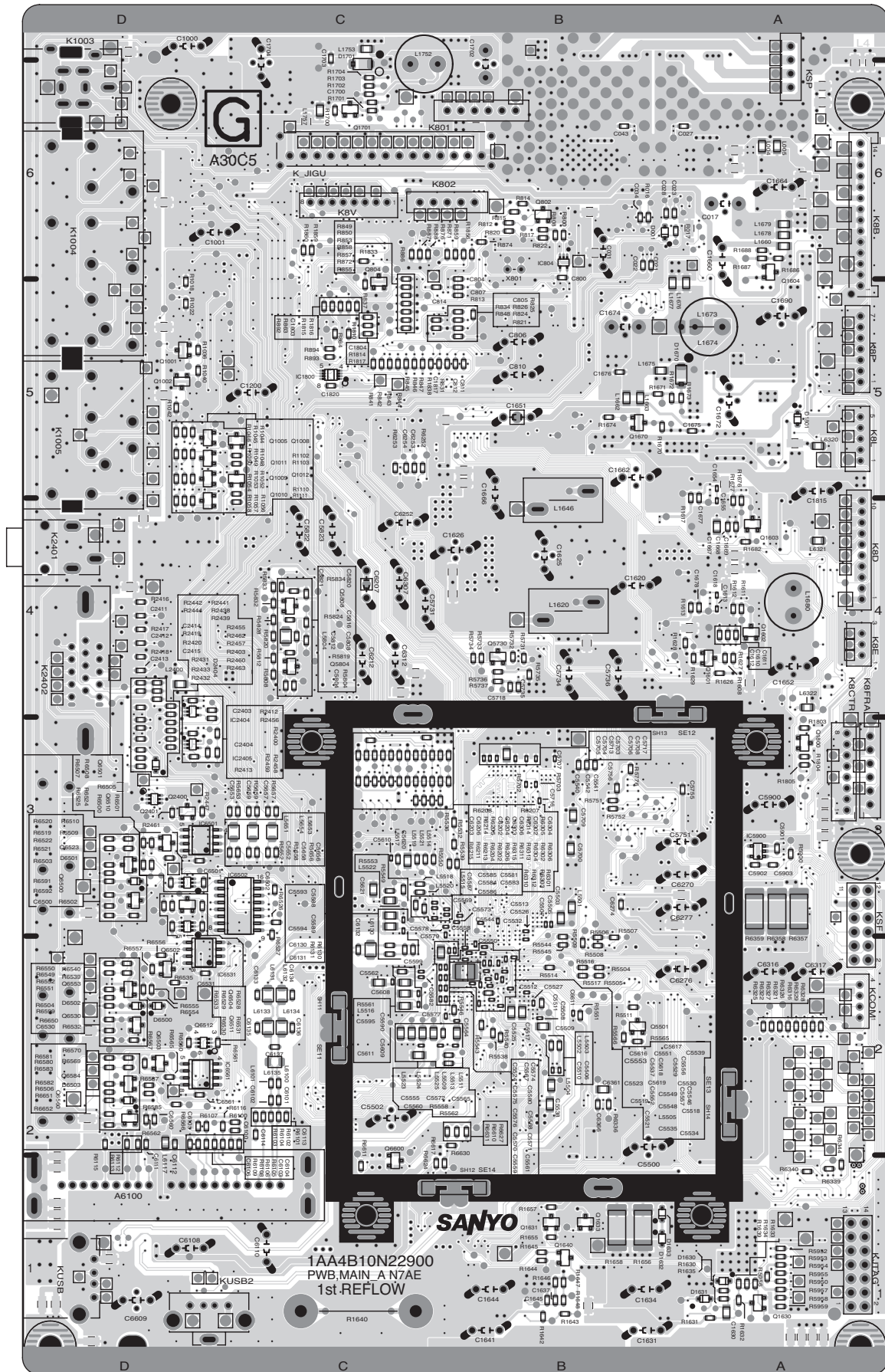
Schematic Location	Part No.	Description
MISCELLANEOUS		
A3900	1AV4U20C11701	"UNIT,REMOCON RECEIVER"
⚠ A6100	1AV4F1BAZ0100	"TUNER,U/V"
⚠ EL901	1AV4T44B02600	"PDP MODULE"
EL902	1AV4Z12B56600	"OPTICAL FILTER"
K_JIGU	1AV4J11EG151N	"SOCKET,15P"
K1003	1LB4J31B01101	"TERMINAL, BOARD"
K1004	1LB4J12B11700	"JACK,RCA-9"
K1005	1LB4J12B11600	"JACK,RCA-6"
K19CTR	1AV4J10AV083N	"PLUG,8P"
K19K	1AV4J10AR061N	"PLUG,6P"
K2401	1LB4J12B11900	"JACK,PHONE D3.6"
K2402	1LB4J11B0630N	"SOCKET,D-SUB 15P"
K39K	1AV4J10EA063N	"PLUG,6P"
K5LVDS	1AV4J10XE400G	"PLUG,40P"
K6501	1AV4J11B8591G	"SOCKET,IF(HDMI) 19P"
K6502	1AV4J11B8591G	"SOCKET,IF(HDMI) 19P"
K6503	1AV4J11B8591G	"SOCKET,IF(HDMI) 19P"
K8B	1AV4J10FT140N	"PLUG,PWB 14P"
K8CTR	1AV4J10AU085N	"PLUG,8P"
K8P	1AV4J10AU075N	"PLUG,7P"
⚠ KAC	1AV4U20C34600	"UNIT,NOISE FILTER"
KSP	1AV4J10EA043N	"PLUG,4P"
KUSB	1LB4J11B0550N	"SOCKET,USB 4P"
⚠ SP901	1LB4A10B08700	"SPEAKER, 8"
⚠ SP902	1LB4A10B08700	"SPEAKER, 8"
⚠ WK5LV	1AA4W30B56400	"CORD 50INCH,40P-31P(LVDS)"
W901	1AV4W11B29300	"POWER CORD 3.0 OMK"

COMPONENT AND TESTPOINT LOCATIONS

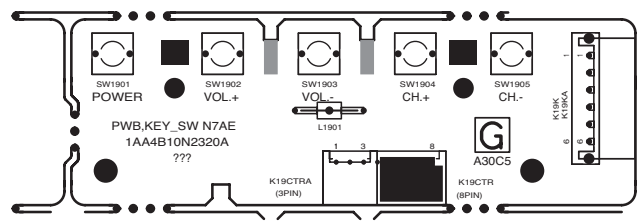
MAIN BOARD PARTS SIDE



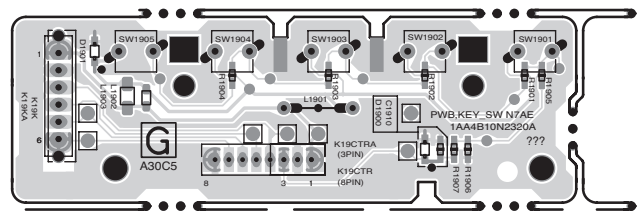
MAIN BOARD SOLDER SIDE



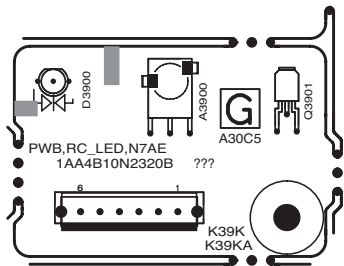
CONTROL BOARD PART SIDE



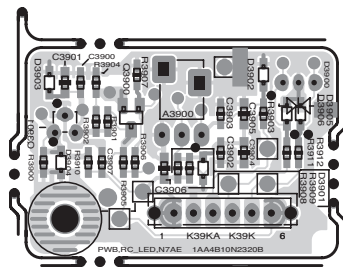
CONTROL BOARD SOLDER SIDE



PWB RC_LED PART SIDE



PWB RC_LED SOLDER SIDE

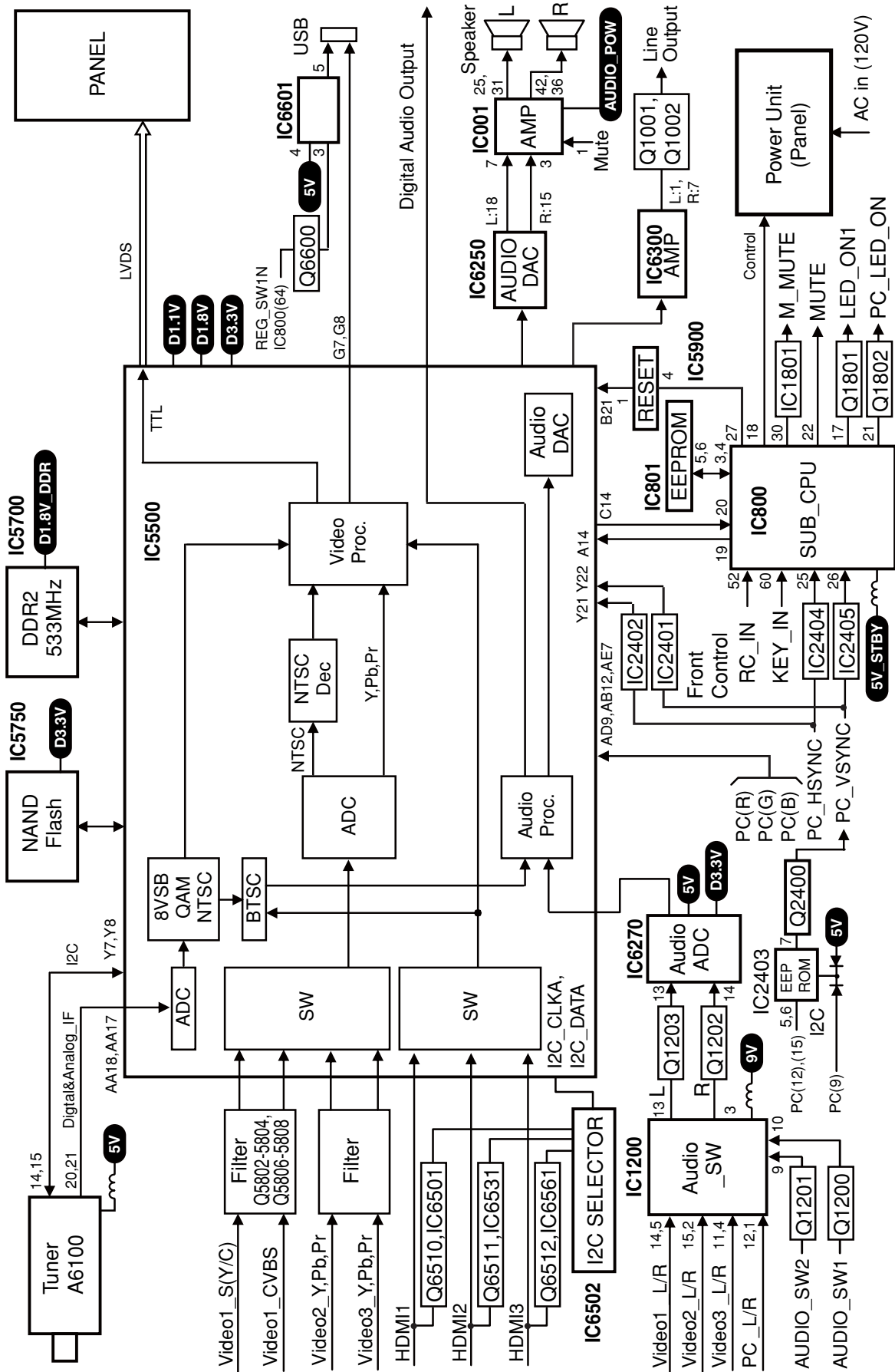


The schematic diagram illustrates the power supply system for the PDP-11/70 computer, organized into four main functional blocks:

- Power Unit:** The primary power source, connected to the Main Board via a P813 connector. It provides AC input to the SC101 transformer and outputs various power lines to the Main Board, including a 5V_STBY line and a P121 connector.
- Main Board:** The central processing unit, featuring an IC800 CPU and an IC803 EEPROM. It is connected to the Power Unit and the Key SW Board. Key components include:
 - Power Regulation:** IC1600 (P5V), IC1610 (D1.1V), and IC1630 (D3.3V) are used for voltage regulation. These are supported by diodes (D1651, D1632, D1633) and capacitors (C1602, C1630).
 - Switching and Protection:** Transistors Q1601, Q1602, and Q1630 are used for switching. Protection is provided by P-FAIL (Power Failure) and P-FAIL (Power-On Failure) indicators.
 - Control and Status:** IC1601 (LED_ON) and IC1602 (P-FAIL) are used for status monitoring. The IC800 CPU is connected to various control lines (POWER_ON, REG_SW1N, REG_SW2, VS_ON, REG_SW3N) and status lines (LED_ON, P-FAIL).
- Key SW Board:** Contains the keyboard interface, including the K19CTR and K19CTR components. It is connected to the Main Board and the Power Unit.
- RC LED Board:** Provides the RC LED output, connected to the Main Board via the K39K and K19K connectors.

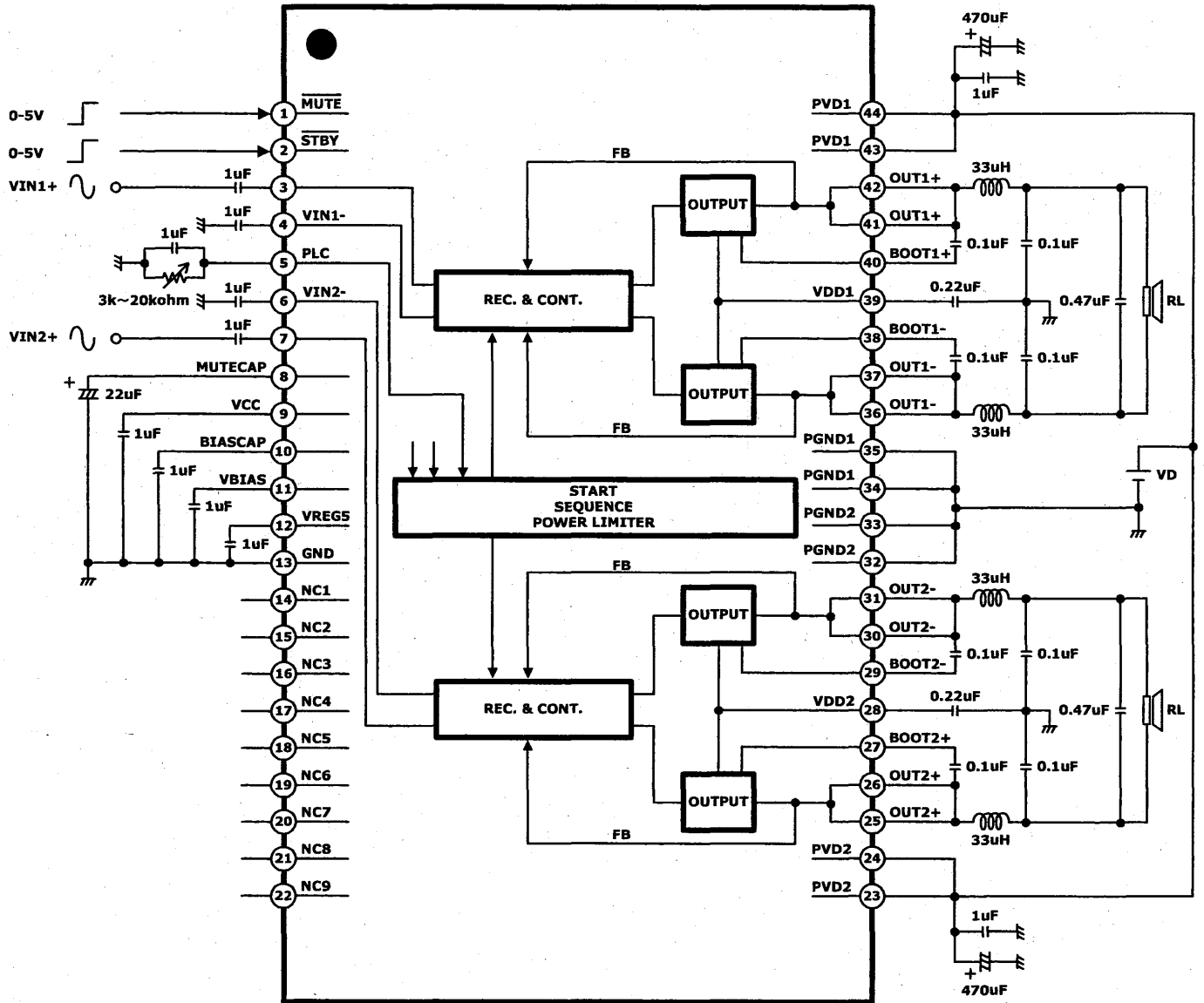
The diagram shows a complex network of power lines, control signals, and status indicators, all interconnected to ensure the proper operation of the PDP-11/70 computer system.

BLOCK DIAGRAM SIGNAL LINES



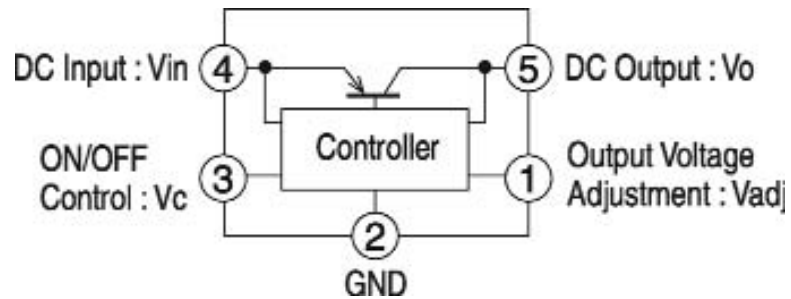
IC BLOCK DIAGRAMS

IC001, Audio AMP

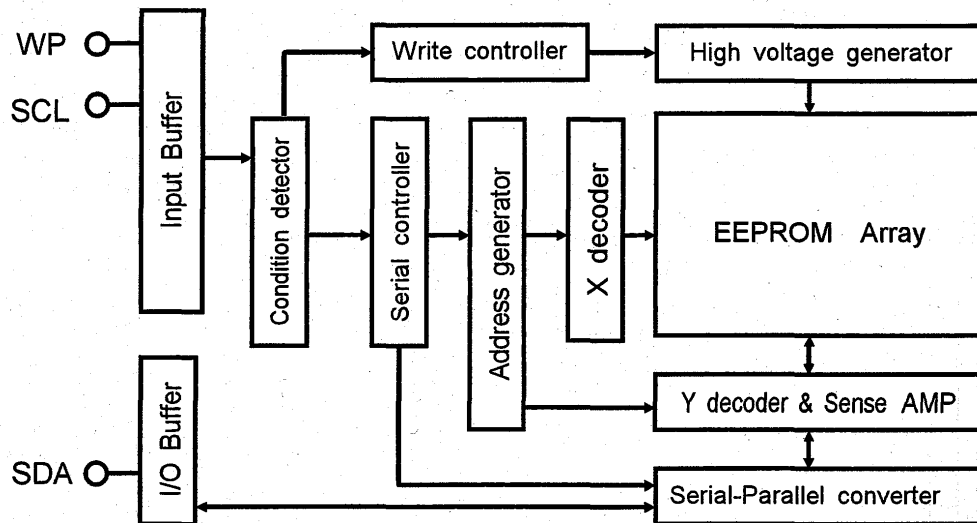


IC BLOCK DIAGRAMS (CONT.)

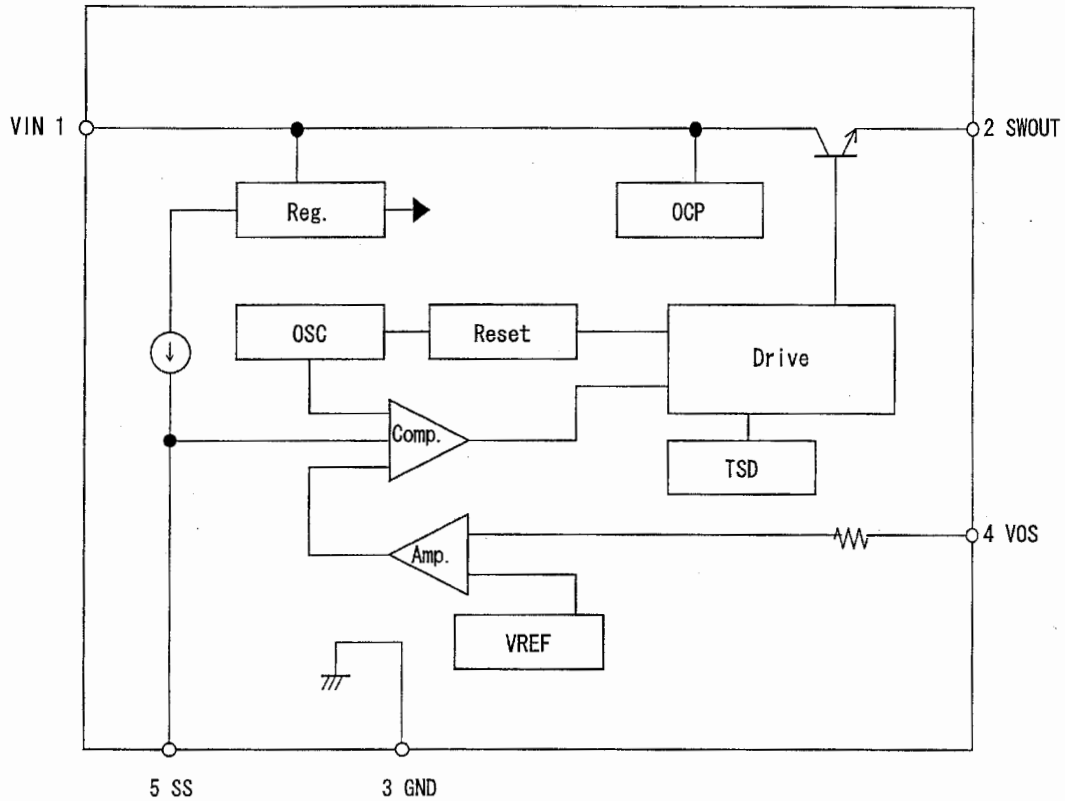
IC1660, DC to DC Converter



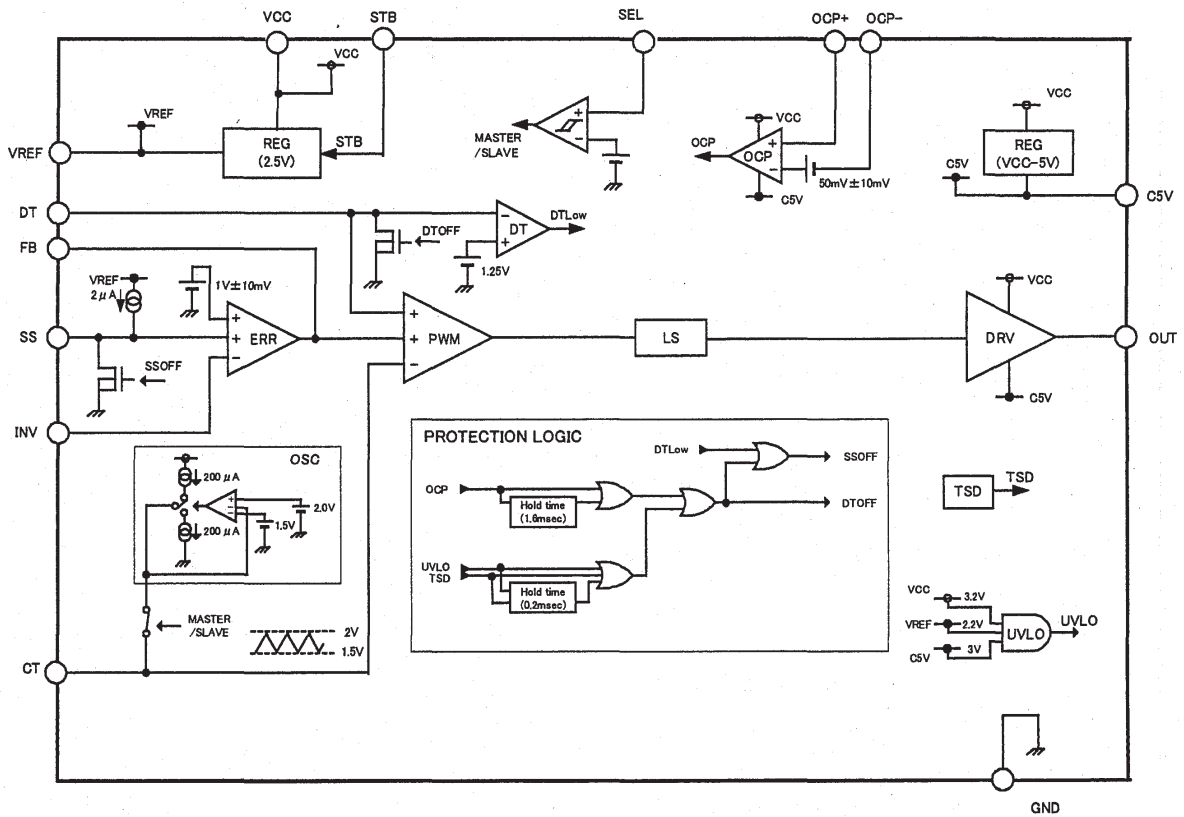
IC801, EEPROM



IC1670, DC to DC Converter

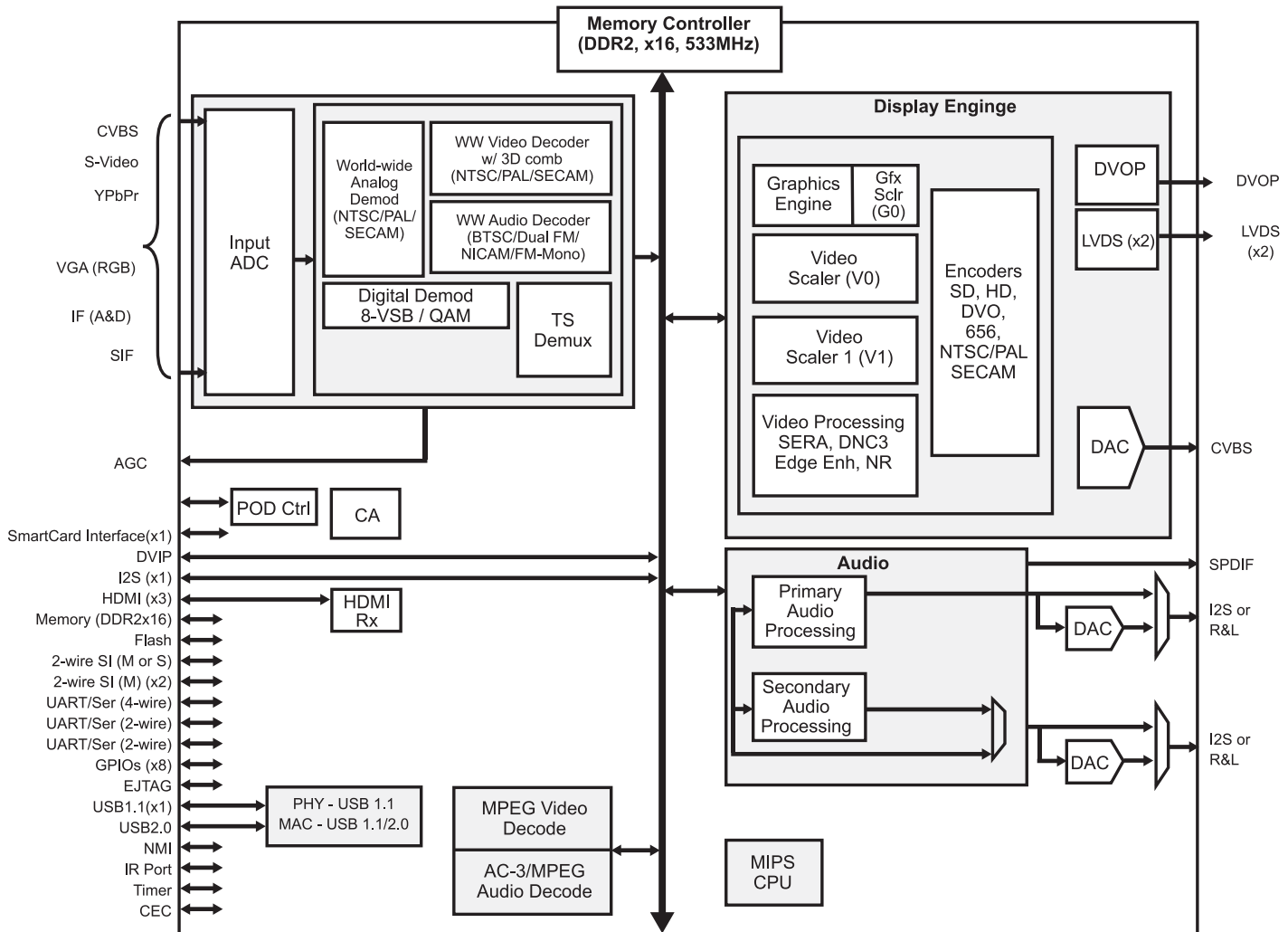


IC1640, DC to DC Converter

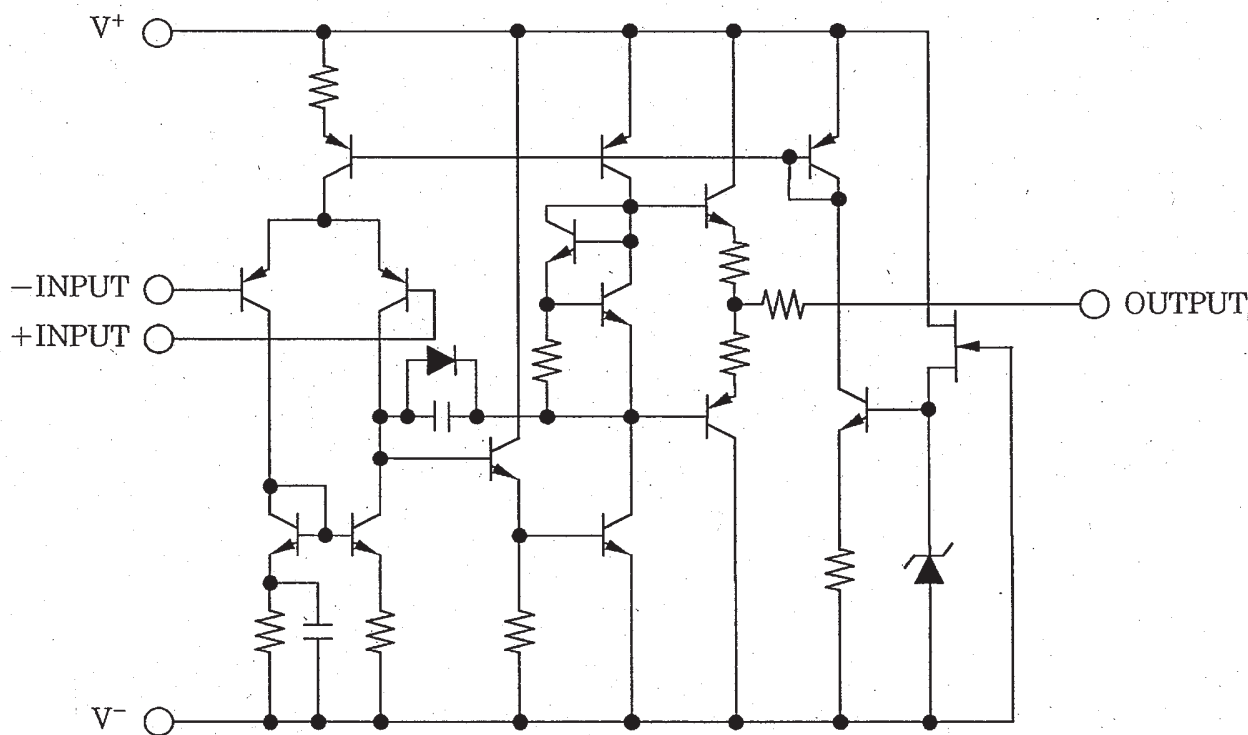


IC BLOCK DIAGRAMS (CONT.)

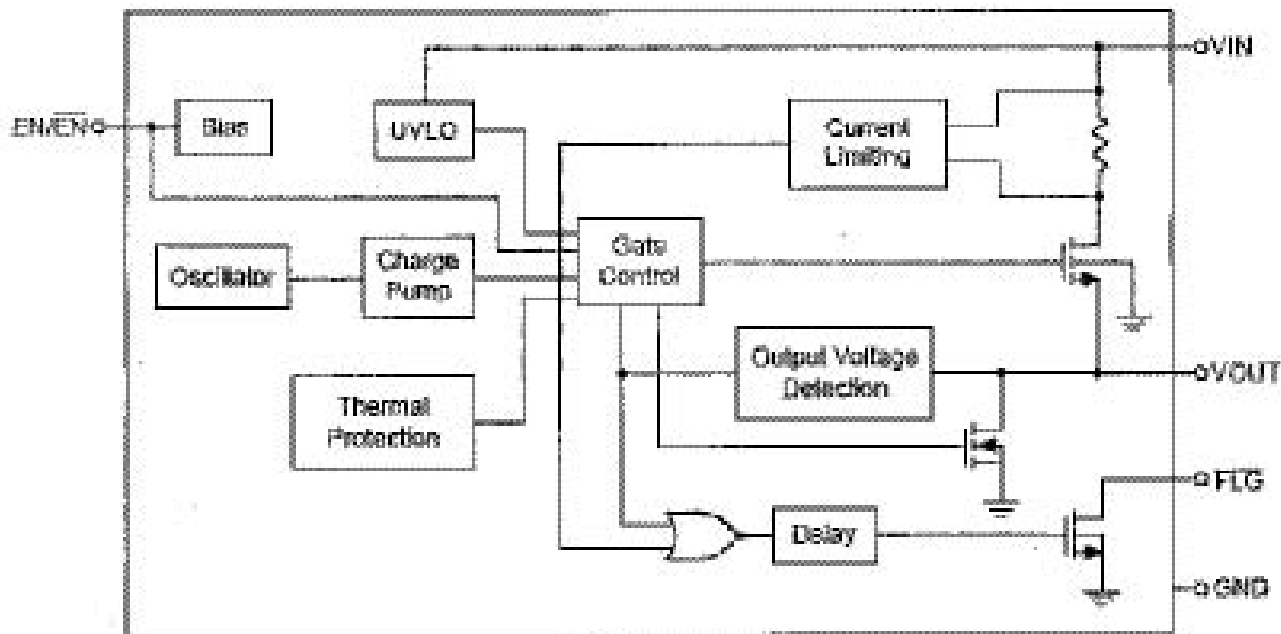
IC5500 Block Diagram



IC6300, Low output Amplifier

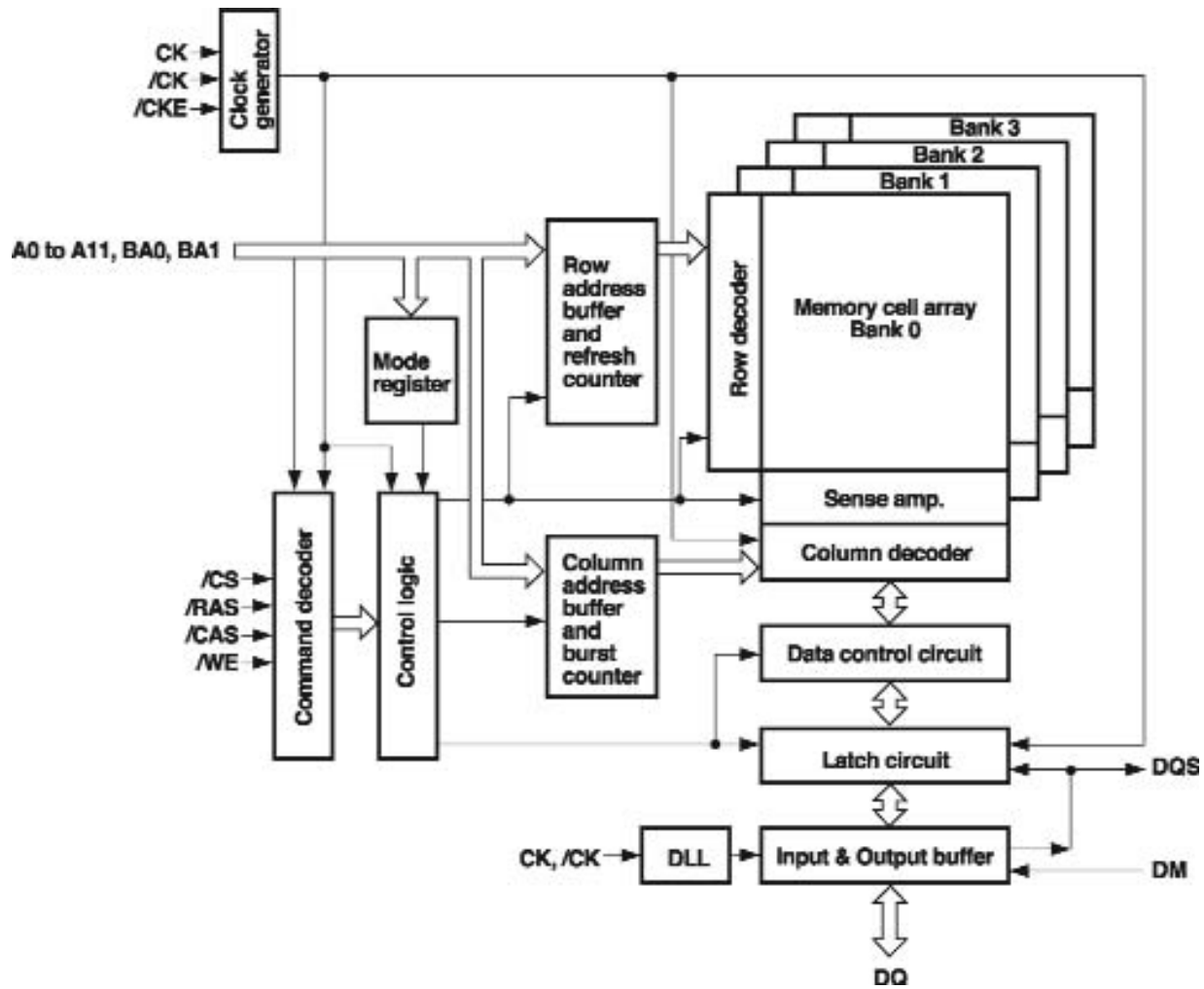


IC6601, USB Protection

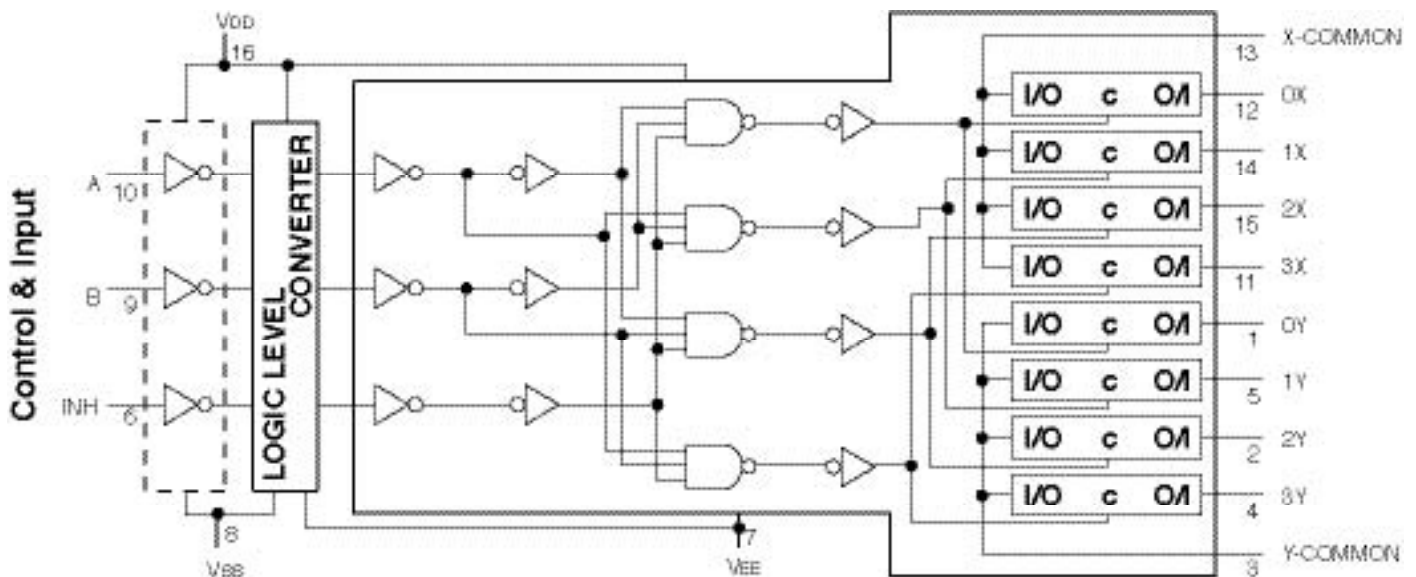


IC BLOCK DIAGRAMS (CONT.)

IC5700, DDR: Double Data Rate SDRAM

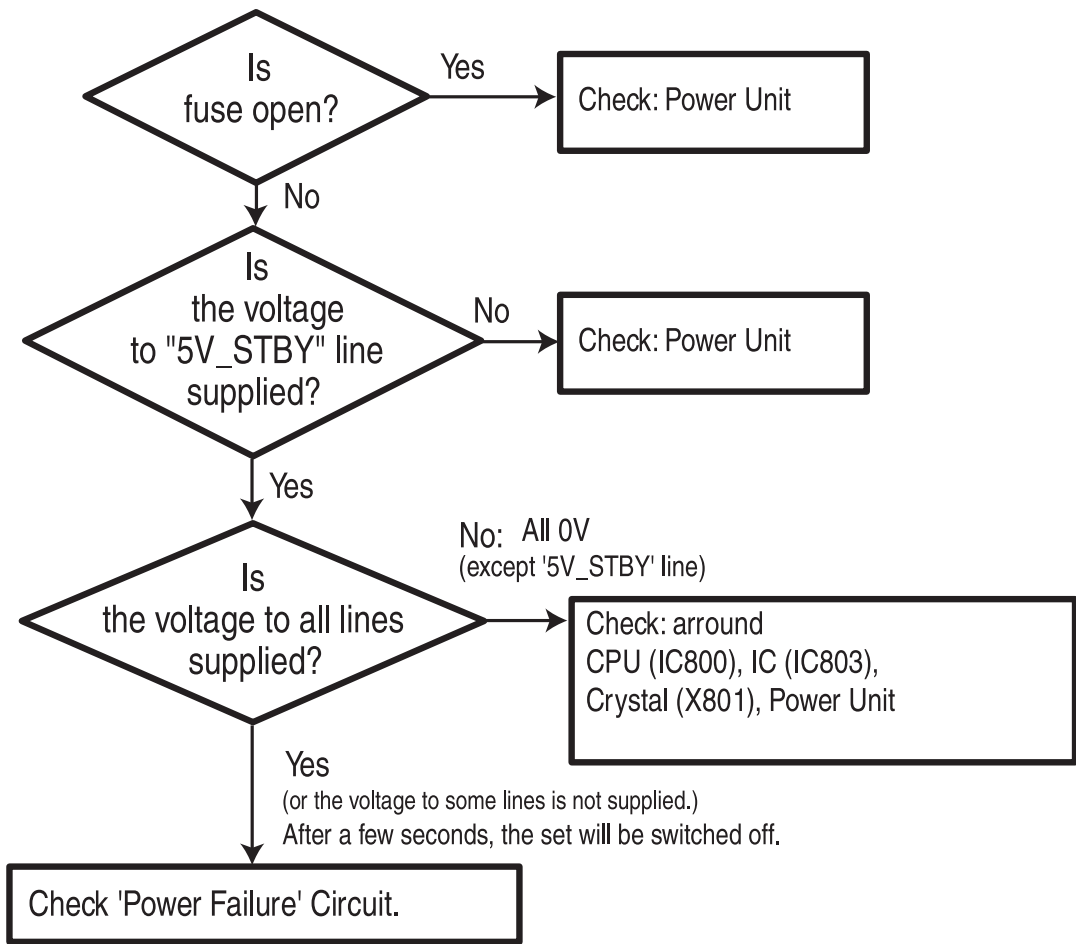


IC6502, I2C SELECTOR



TROUBLESHOOTING FLOW CHARTS

NO POWER



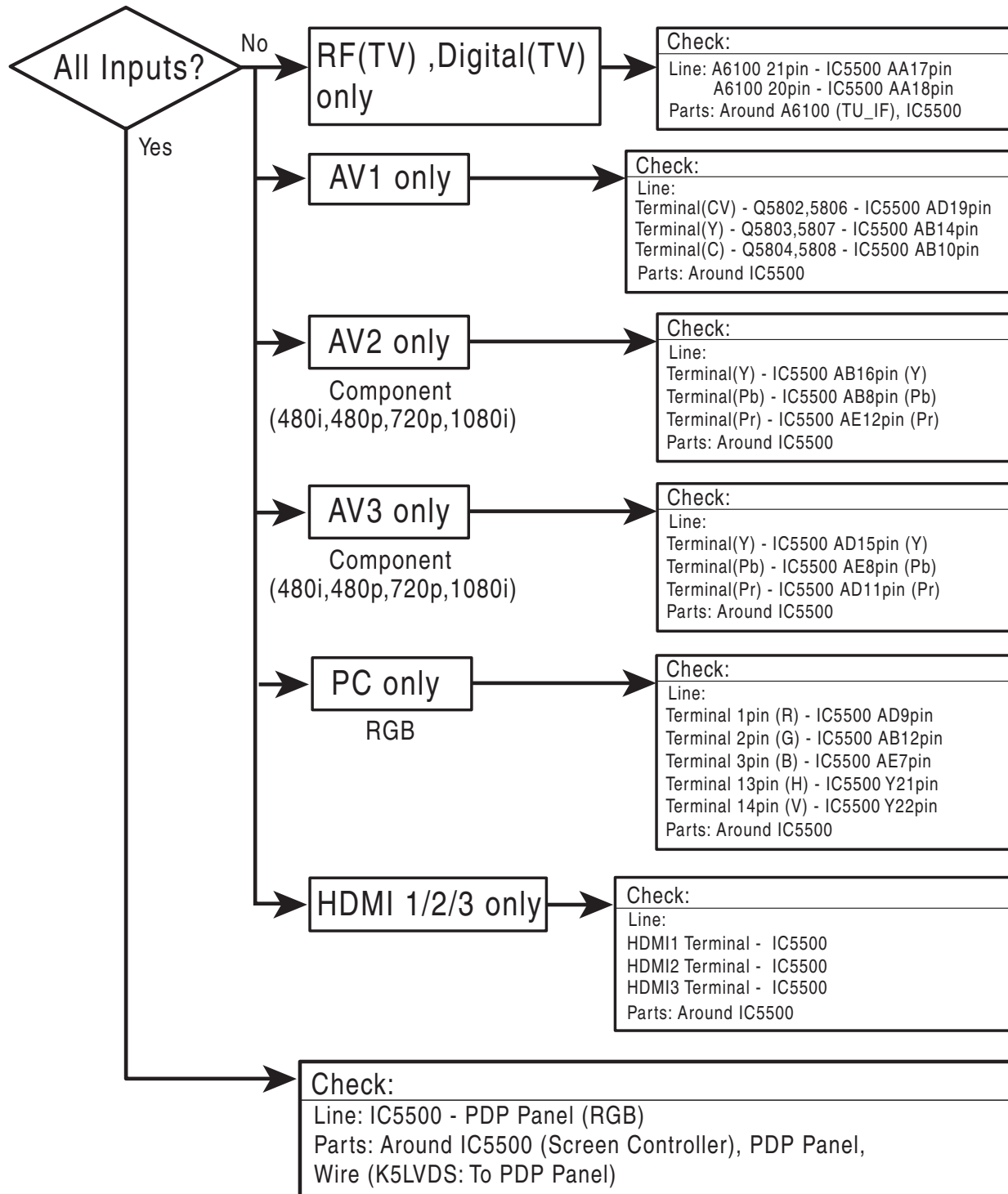
Power Failure Line

CPU (IC800) 48pin

Diode	Detected Voltage
D1660	9V
D1632/D1633	D3.3V
D1651	5V
D1674	AUDIO_POW

TROUBLESHOOTING FLOW CHARTS (CONT.)

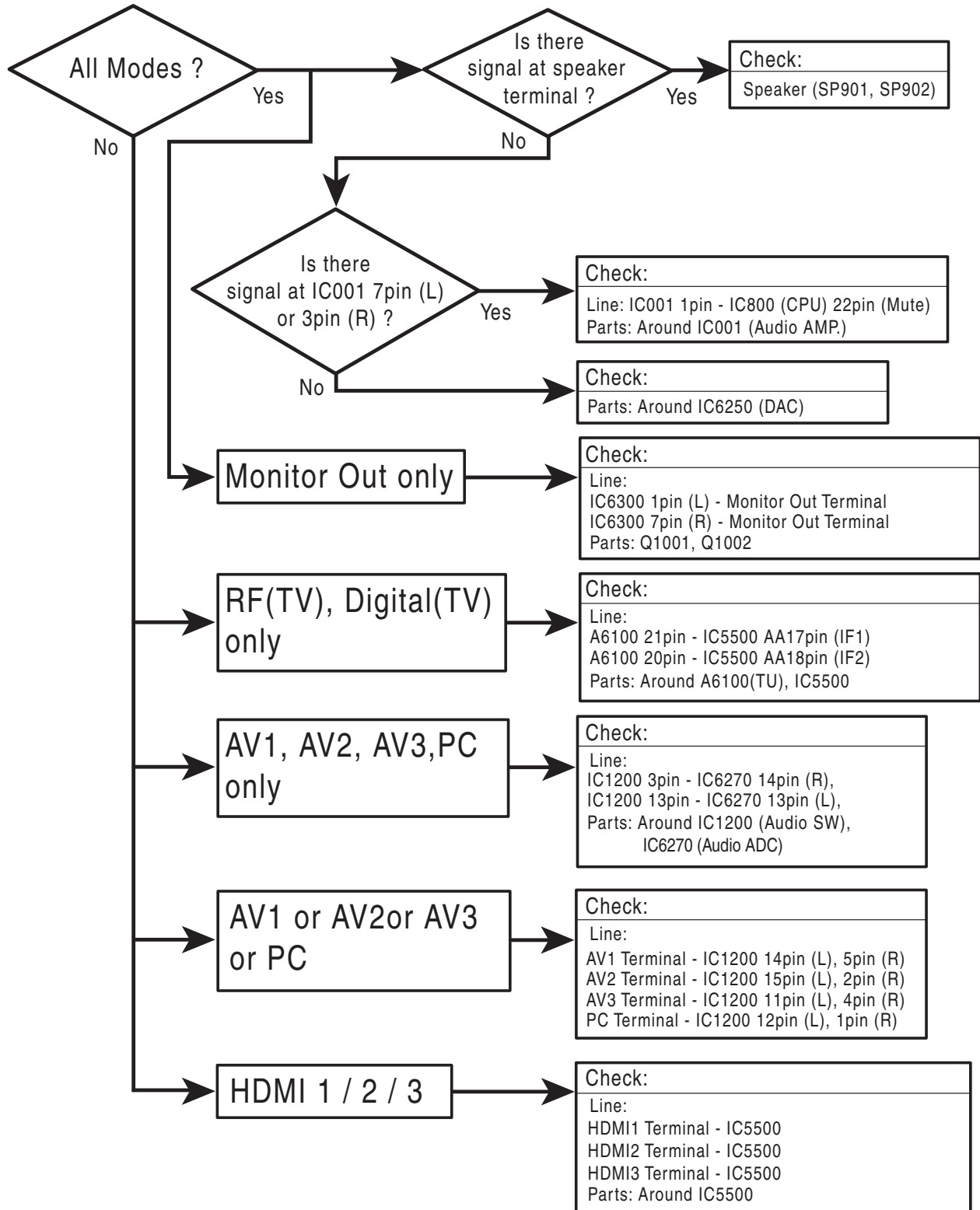
NO VIDEO



TROUBLESHOOTING FLOW CHARTS (CONT.)

NO AUDIO

Trouble Shooting Audio US1K(42/46)



CONTROL PORT FUNCTIONS

System Control (CPU : IC800)

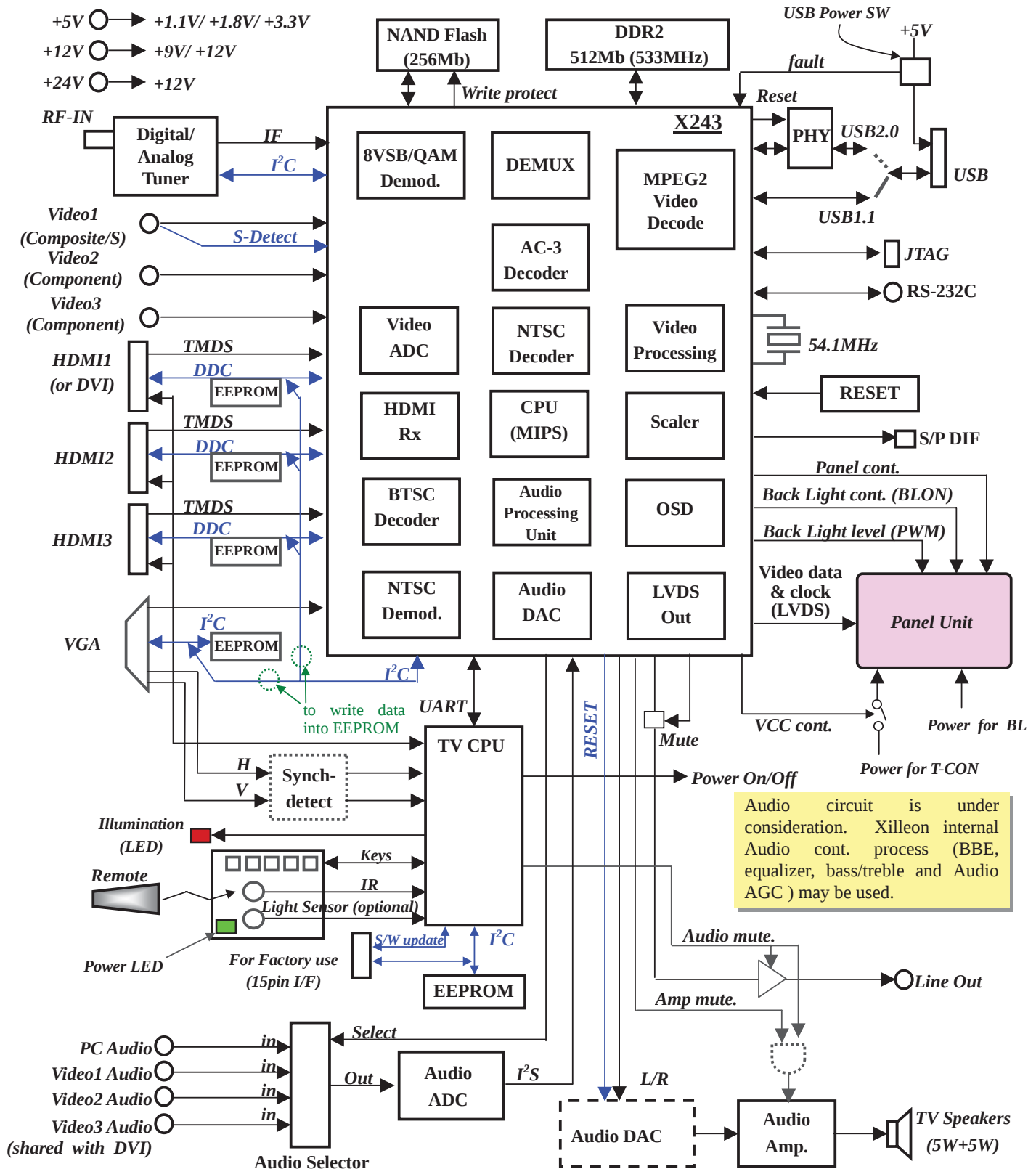
Pin	Name	Function	I/O	Description
1	P12/SCK0	REG SW4	OUT	REG SW4 (ON : High OFF : Low)
2	P13/SO1	REG SW5	OUT	REG SW5 (ON : Low OFF : High)
3	P14/SI1/SB1	IIC-BUS for NV	I/O	Data of IIC Bus Active 'L' for IIC data NV
4	P15/SCK1	IIC-BUS for NV	OUT	Clock of IIC Bus Active 'L' for IIC clock NV
5	P16/T1PWML	REG SW2	OUT	REG SW2 (ON : High OFF : Low)
6	P17/T1PWMH/BUZ	REG SW3	OUT	REG SW3 (ON : Low OFF : High)
7	PWM2	Reserve	OUT	Reserve (Set Low level)
8	PWM3	no use (PWR DET)	IN	no use (PWR_DET)
9	VDD2	Power IN	IN	VDD2 (5Vdc±10%)
10	VSS2	Vss	IN	GND (0Vdc)
11	P00	Category2	IN	Hard option for category
12	P01	Category1	IN	Hard option for category
13	P02	Category0	IN	Hard option for category
14	P03	Panel Size2	IN	Hard option for panel size
15	P04	Panel Size1	IN	Hard option for panel size
16	P05/CKO	Panel Size0	IN	Hard option for panel size
17	P06/T6O	LED CNTRL	OUT	LED Control output for Power indicator
18	P07/T7O	TV Relay out	OUT	POWER Relay control output ON : High OFF : Low
19	P20/UTX/INT4/T1IN	UART OUT	OUT	Output of UART(Digital Module microcomputer piece confidence)
20	P21/URX/INT4/T1IN	UART IN	IN	Input of UART (Digital Module microcomputer piece confidence)
21	P22/INT4/T1IN	PC Standby LED	OUT	LED control of PC Standby High Noraml Low
22	P23/INT4/T1IN	Audio MUTE	OUT	Audio Mute MUTE ON : Low OFF : High
23	P24/INT5/T1IN	Power Fail-2 IN	IN	LVDS Power Fail input for LCD model /(no used at PDP model :Setting output mode)
24	P25/INT5/T1IN	AMP STBY	OUT	AMP Standby control Stanby:Low Power on:High
25	P26/INT5/T1IN	HS_DET	IN	"Detect H-Sync (Detect : High , PC Input "
26	P27/INT5/T1IN	VS_DET	IN	"Detect V-Sync (Detect : High , PC Input "
27	PB7	RESET_TV	OUT	for DM Watch Dog Timer
28	PB6	Boot_SEL1	OUT	Starting DM S/W download-SEL1 (See Table A) (for 42~ model)
29	PB5	Boot_SEL2	OUT	Starting DM S/W download-SEL2 (See Table A)(for 42~ model)
30	PB4	M_OUT MUTE	OUT	MUTE ON Low OFF High
31	PB3	LINE OFF_DET	OUT	Detect LINE OFF output(Detect: High -> Low)
32	PB2	Reserve	OUT	Reserve (Set Low level)
33	PB1	Reserve	OUT	Reserve (Set Low level)
34	PB0	Solution	IN	High:42~ model Low:19~32 model
35	VSS3	Vss	IN	GND (0Vdc)
36	VDD3	Power IN	IN	VDD3 (5Vdc±10%)
37	PC7	DBGP2	IN	Terminal for De-Bug 3
38	PC6	DBGP1	I/O	Terminal for De-Bug 2
39	PC5	DBGP0	I/O	Terminal for De-Bug 1
40	PC4	CLK	OUT	Writing on bord (CLK)
41	PC3	DATA0	I/O	Writing on bord (DATA0)
42	PC2	ENA/DATA1	I/O	Writing on bord (ENA/DATA1)
43	PC1	Ack out	OUT	Ack output for factory mode
44	PC0	STATUS in	IN	Status input for factory mode
45	AN6	sensor in	IN	sensor input (for PDP model)
46	P85	Reserve	OUT	(OPEN) (Set Low level)
47	P84	Res. (Panel Alarm)	IN	Reserve (Set Low level)
48	AN3	Power Fail-1 IN	IN	TV Power Error(3.6V less)/Others (3.6V over)
49	P70/INT0/T0LCP	LINE OFF	IN	Detect AC Voltage Reduction (Normal : High)
50	P71/INT1/T0HCP	CEC input	IN	CEC input

Pin	Name	Function	I/O	Description
51	P72/INT2/T0IN	CEC output	OUT	CEC output
52	P73/INT3/T0IN	Rcin	IN	Remote control signal input
53	RES	RESET in	IN	CPU Reset input RESET : Low (and for on-board write)
54	XT1	Xin	IN	32.678KHz X'tal input (for clock timer)
55	XT2	Xout	OUT	32.678KHz X'tal output (for clock timer)
56	VSS1	Vss	IN	GND 0Vdc
57	CF1/AN12	Xti	IN	Main clock input (8MHz ceramic oscillator)
58	CF2/AN13	Xto	OUT	Main clock output (8MHz ceramic oscillator)
59	VDD1	Power IN	IN	VDD1 (5Vdc±10%)
60	AN0	Key in	IN	Panel switch input
61	AN1	Reserve	IN	GND
62	P82	PANEL READY	IN	Panel Ready (for PDP) OK : High NG : Low only PDP
63	P10	VS-ON	OUT	VS-ON (for PDP) ON : High OFF : Low only PDP model
64	P11	REG SW1	OUT	REG SW1 (ON : Low OFF : High)

<Table A>

28pin(SEL1)	29pin(SEL2)	Operation
High	High	USB download
High	Low	Starting Bank1
Low	High	Starting Bank2
Low	Low	Normal

MAIN SHEET BLOCK DIAGRAM & PERIPHERICALS



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.
The schematic symbols and part descriptions are correct and should be used.
The part descriptions will be listed under the location number in the parts list.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

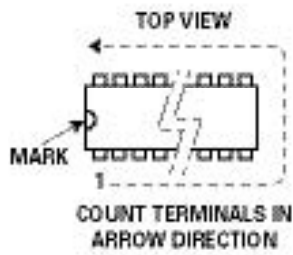
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

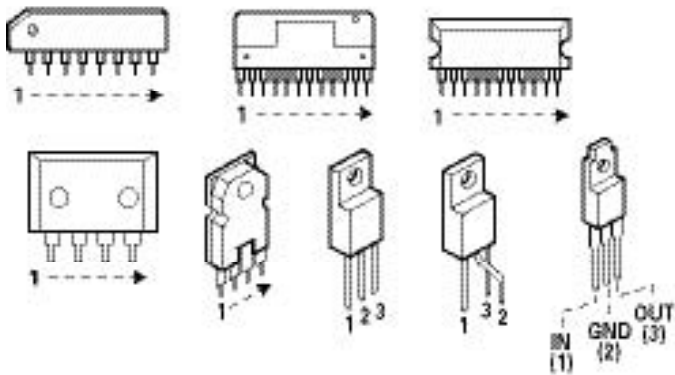
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

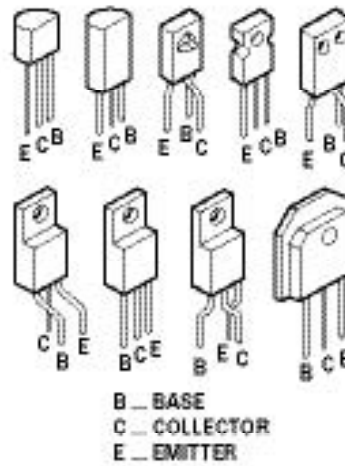
INTEGRATED CIRCUITS



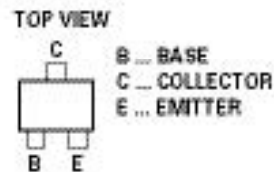
SIDE VIEW



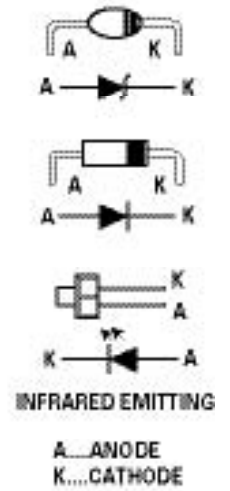
TRANSISTORS



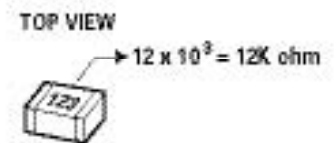
CHIP TRANSISTORS



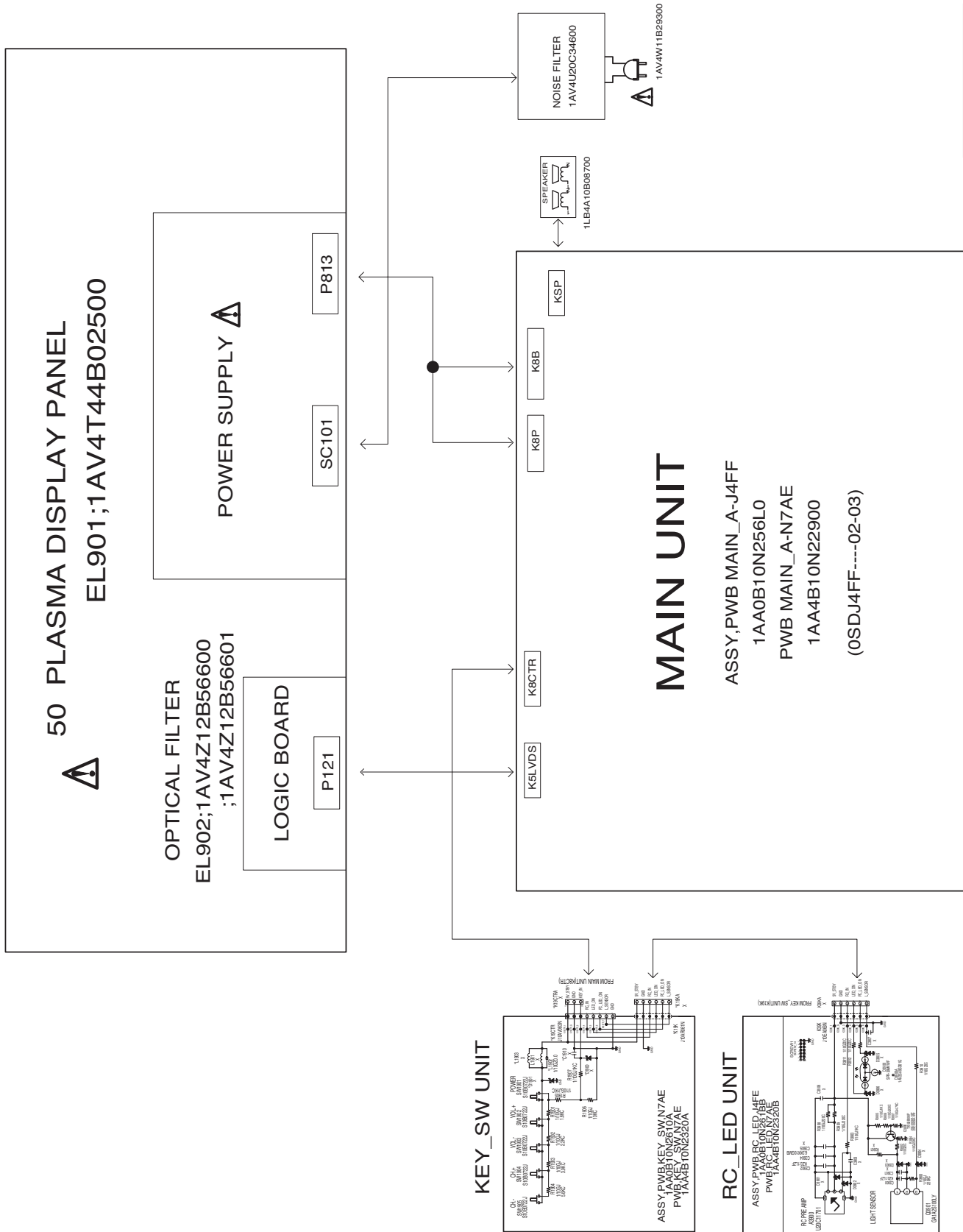
DIODES



CHIP RESISTORS



PC BOARD CONNECTIONS AND LOCATIONS



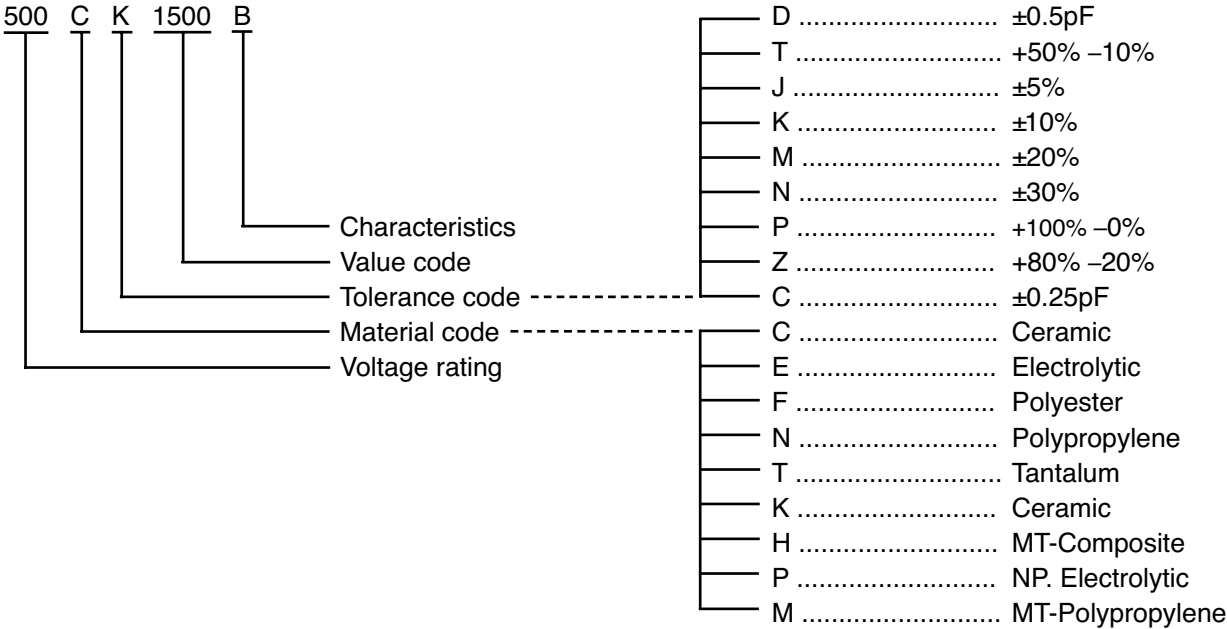
REV	DESCRIPTION	DATE	BY	CHKD	APPD
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2	YK6E	09/01/01			
3	09FF0052	09/01/01			
4	09FF0052	09/01/01			
5	09FF0052	09/01/01			
6	09FF0052	09/01/01			
7	09FF0052	09/01/01			
8	09FF0052	09/01/01			
9	09FF0052	09/01/01			
10	09FF0052	09/01/01			

ORIGINAL MODEL

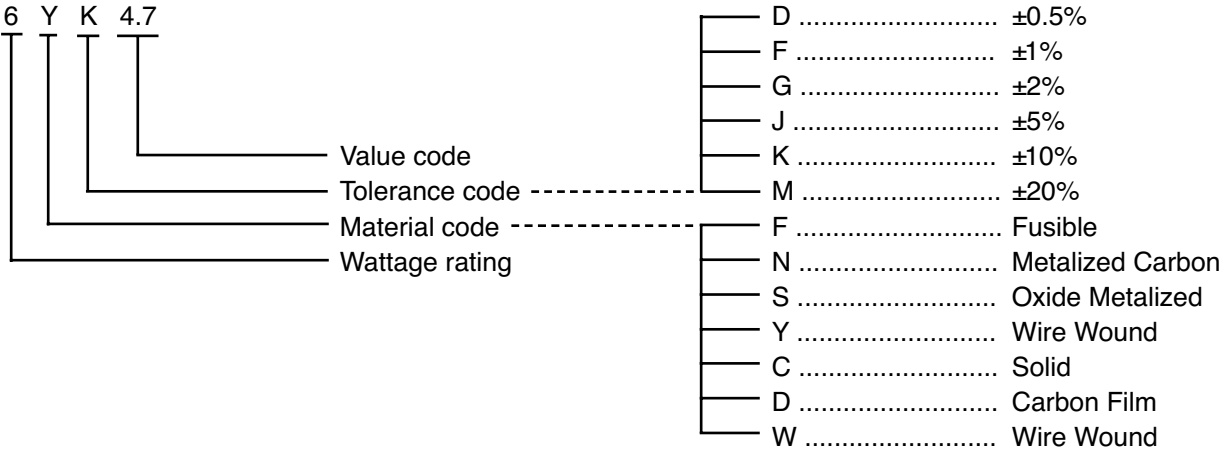
100722 CHK000 JIS A1

CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)



RESISTOR (Example)



For parts or service contact

Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000



